

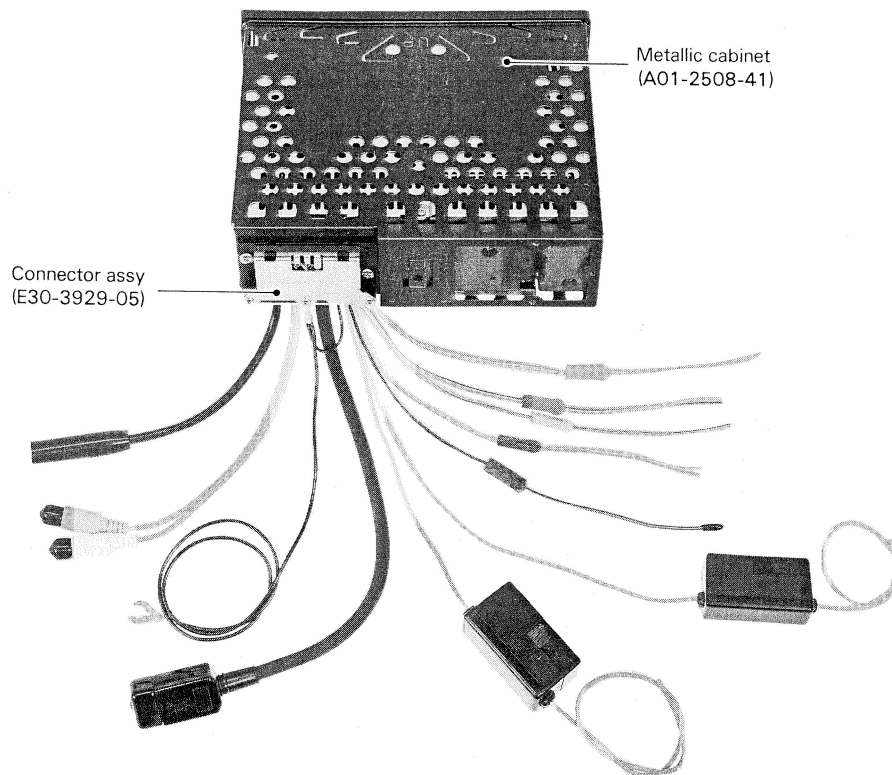
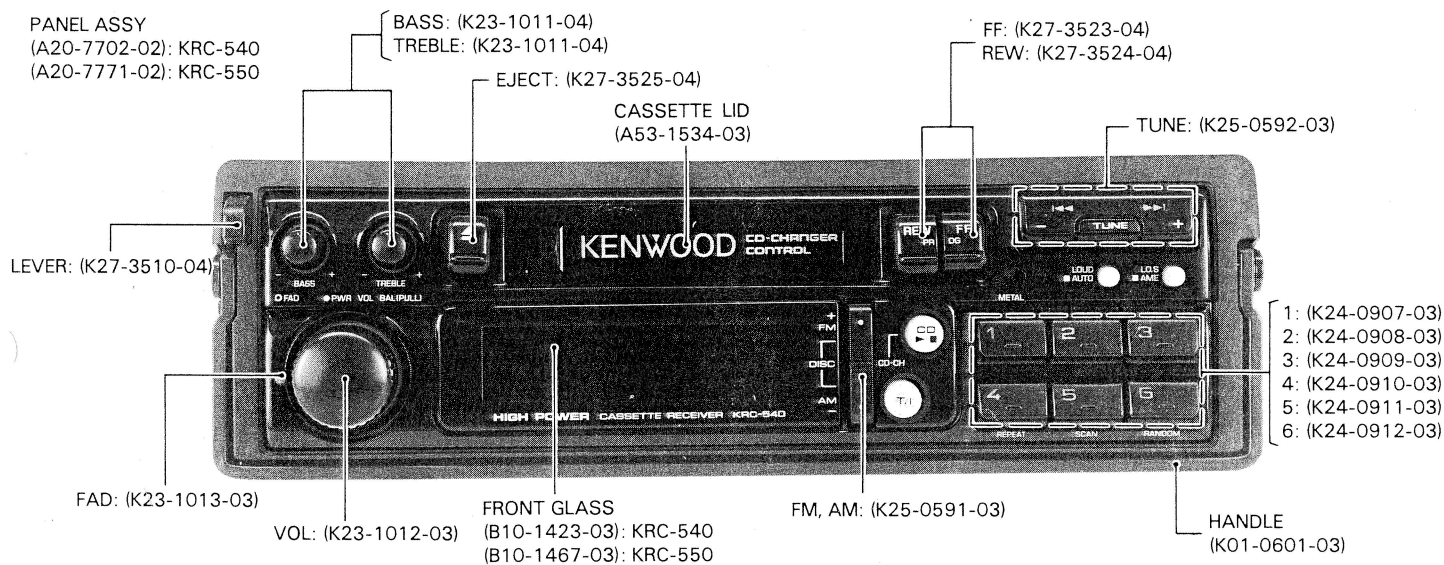
STEREO CASSETTE RECEIVER

KRC-540/550

SERVICE MANUAL

KENWOOD

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B51-6392-00(B)2164



• Channel space selection

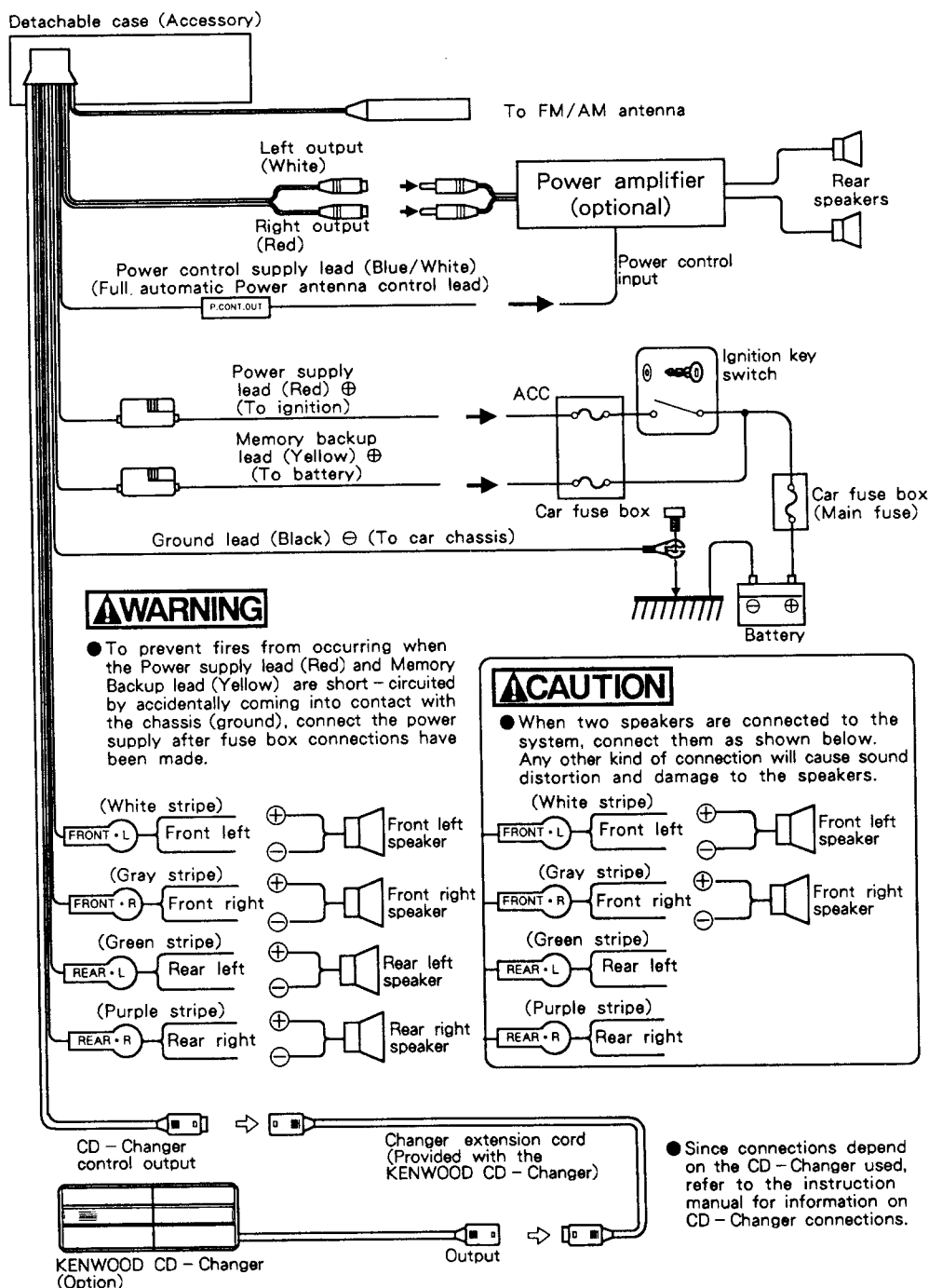
Of this unit, the channel space is selectable between FM 200 kHz/AM 10 kHz and FM 50 kHz/AM 9 kHz owing to the following operation:

While pressing preset station switches **1** and **5** at the same time, set the power switch to ON.

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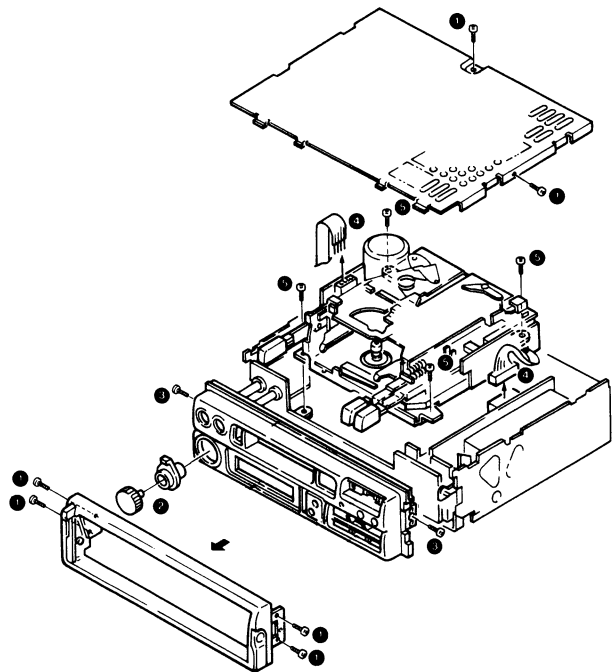
CONNECTIONS



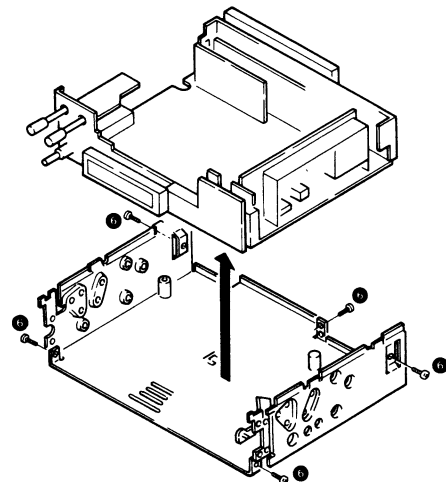
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DISASSEMBLY FOR REPAIR

1. Remove the 6 screws (❶), then remove the top panel and the escutcheon ass'y.
2. Pull out the VOL and FAD control knobs (❷).
3. Remove the 2 screws (❸), and take out the panel ass'y.
4. Disconnect the 2 connectors (❹).
5. Remove the 4 screws (❺), and take out the mechanism ass'y.

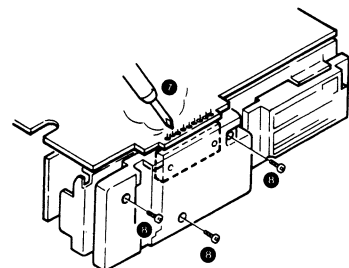


6. Remove the 6 screws (❻), and take out the whole of the circuit board.



To remove the power ass'y:

7. Remove solder from the power IC (❼).
8. Remove the 3 screws (❽).
9. Take out the power IC together with the heat-sink, then separate the power IC from the heat-sink.



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CIRCUIT DESCRIPTION

Terminal descriptions SYNTHESIZER UNIT (X14-3470-11)

Ref. No.	Components	Use/Function	Operation/Condition/Compatibility
IC1	BA3424F	TAPE EQ AMP	
IC3	LA1140	FM IF AMP	FM IF signal amp.
IC4	AN7465K	FM MPX N.C	Demodulator, noise canceler.
IC5	M5280FP	ISOLATION AMP	CD-CH and AUX (J type) isolation amp.
IC6	NJM4565MD	1/2 V _{CC} BUFF	Buffers the voltage generated by Zener D and resistance division, and supplies voltage as 1/2 V _{CC} for the tone amp and preamp.
IC7	NTM4565MD	PRE AMP	
IC10	TA8215H	PWR AMP	
IC11	BA3906-V1	AVR	Supplies of V _{DD} , CE, COM 9V, FM 9V and AM 9V. MUTE output.
IC12	1723GF-594-3BE	μ-COM	Key control, other controls, PLL, LCD drive.
IC13	TC4081BF	AND Gate	For use with μ-COM key matrix (alternate SW).
Q3	2SC2413K	FM IF AMP	Amplifies IF signal from F/E.
Q4	2SC2412K	SD BUFF	
Q5	2SC2412K	CRSC Driver	
Q6	2SC2412K	ANRC BUFF	
Q7	DTC144EK	AFC SW	OFF during seek, ON during receive.
Q10, 11	DTC144EK	FM/AM SIG. INHIBITOR	
Q12	DTC144EK	SIG. SW	ON in CD-CH and AUX modes.
Q13, 14	DTC144EK	EXT. INPUT SIG. INH.	
Q17, 18	2SD1757K	LOUD CON SW	
Q19, 20	2SD1757K	AUDIO MUTE	
Q21, 22	2SK433	PWR AMP INPUT BUFF	
Q23	DTC144EK	PWR AMP STBY SW	
Q24	DTC144EK	FM LO/DX SW	
Q27	DTA144EK	AM AGC CUT SW	
Q29	DTC144EK	SD INV.	
Q30-32	2SC2412K		
Q34	DTA114EK	PWR ON 5V SW	
Q35	DTC114EK		
Q36	DTA144EK	ACC DETECT	
Q37	2SB1370	ILLUMINATION AVR	10.4 V (Darlington)
Q38	2SC2412K		
Q39	DTA144EK	MANUAL RST	
Q40, 41	DTC144EK	LOCAL INH.	

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CIRCUIT DESCRIPTION

Ref. No.	Components	Use/Function	Operation/Condition/Compatibility
Q42	DTC144EK	TAPE MUTE INH.	
Q43	DTC144EK	PACK IN INV.	
Q44	DTC144EK	AUDIO MUTE INV.	
Q46	2SA1037K	Audio Mute Driver	ON in MUTE mode to drive Q19 and Q20.
Q47	2SA1037K	LOUD SW Driver	ON in LOUD mode to drive A17 and Q18.
Q49	DTC144EK	Mute SW	
Q51 ~53	2SC2412K	PLL L.P.F	FM/AM Vt LPF.
Q54	2SC2412K	MECHANISM MUTE SW	MUTE in FF, REW and PROG modes.
Q55	DTA144EK		
Q56	DTC144EK	MOTOR Drive SW	
Q57	2SA1428 (O, Y)	MOTOR Driver	

DAUGHTER UNIT (X89-1280-11)

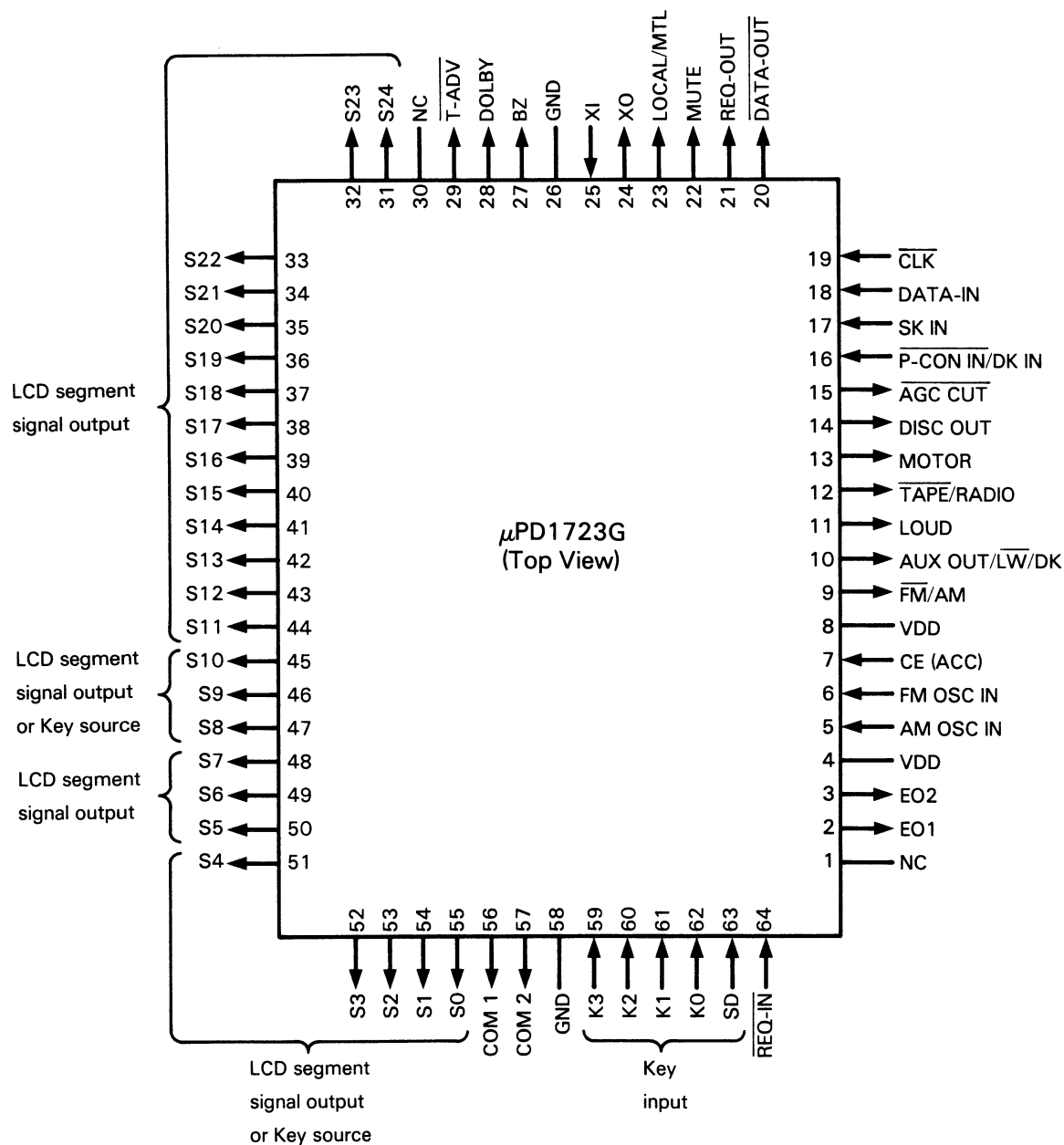
Ref. No.	Components	Use/Function	Operation/Condition/Compatibility
IC1	TC74HC04AF	CD-CH I/O	Buffer for data communications with I/O box in CD-CH mode.
IC2	NJM4565L-D	TONE CONTROL AMP	
Q1, 2	DTC144EK	TAPE SIG. INH.	Signal inhibition and MUTE output in Tuner and CD-CH modes.
Q3	DTC144EK	ACC DETECT	Outputs early MUTE when ACC is lowered or during manual reset. Performs early grounding of μ -COM CE pin when ACC is switched OFF.
Q4~6	2SC2412K		
Q7	DTC114EK		
Q11	DTC144EK	CD-CH REQ IN BUFF.	
Q12	2SC2412K	CD-CH CD CON BUFF.	
Q13	DTC144EK	CD-CH REQ IN BUFF.	
Q14	2SA1037K	CD-CH REQ IN CONTROL	When ACC is ON, recognizes whether CD-CH is connected or not, and outputs signal to μ -COM.

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CIRCUIT DESCRIPTION

1723GF-594-3BE (IC12: X14-3470-11)
Microprocessor IC

Terminal Connections



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CIRCUIT DESCRIPTION

Terminal descriptions

Pin No.	Pin Name	I/O	Function Name	Operation
1	NC		NC	
2	EO1	O	EO1	PLL error output terminals. If the frequency obtained by dividing the local oscillation frequency (VCO output) is higher than the reference frequency, these terminals output "H" level. If not, they output "L" level.
3	EO2	O	EO2	
4	V _{DD}		V _{DD}	Power input terminal.
5	V COL	I	AM OSC IN	Inputs VCO output from 0.50 to 30 MHz.
6	V COH	I	FM OSC IN	Inputs VCO output from 15 to 200 MHz.
7	CE	I	CE (ACC)	"H" level when it is required that the device operate normally. "L" level when the device is not used.
8	V _{DD}		V _{DD}	Power input terminal.
9	PD1	O	FM/AM	FM/AM switching port. Outputs "H" during AM reception. Outputs "L" during FM reception. Fixed at "H" in TAPE, CD and AUX (J type) modes, and "L" while SDK (SDK type) is ON. During tuner call, the output varies depending on the band.
10	PD2	O	LW/DK	(E type) Outputs "L" during LW reception. Also outputs "L" during LW reception in course of tuner call. Outputs "H" in other cases.
			AUX OUT	(J type) Audio signal switching output port. Outputs "H" in CD-CH and AUX modes.
11	PD3	O	LOUD	Loudness control ON/OFF output terminal Switched to "H" or "L" when AUTO/LOUD key has been pressed for 2 sec. "H" → LOUD ON.
12	PC0	O	TAPE/RADIO	TAPE audio switching port. Outputs "H" in CD-CH and AUX modes.
13	PC1	O	MOTOR	Cassette mechanism motor ON/OFF control port. Outputs "H" while TAPE IN key is OFF. Outputs "L" in AUX, CD-CH and DK interrupt (SDK type) modes.
14	PC2	O	DISC OUT	Outputs "H" when operating CD changer. Outputs "L" during DK interrupt (SDK type).
15	PC3	O	AGC CUT	Normally, outputs "L" while CE is "H". Outputs "H" in AUX mode.
16	PA0	I	DK IN	(SDK type) Input port for DK detection. Inputs "H" when DK signal is present.
			P-CON IN	(J-type) Input port for AUX input detection. "L" in AUX mode and "H" in other cases.
17	PA1	I	SK IN	(SDK type) Input port for SK detection. Inputs "H" when SK signal is present.
18	PA2	I	DATA-IN	Input terminal of DATA from CD-CH.
19	PA3	I	CLK	Input terminal of CLK from CD-CH.
20	PB0	O	DATA-OUT	Output terminal of DATA to CD-CH.
21	PB1	O	REQ-OUT	Output terminal for requests to CD-CH.
22	PB2	O	MUTE	MUTE output terminal, which outputs "H" in MUTE period. MUTE is not output while CE is "L". If CE turns from "H" to "L" during MUTE output, MUTE also turns from "H" to "L".
23	PB3	O	LOCAL/MTL	LOCAL control output port in Tuner mode. Active "H". In TAPE mode, used as the METAL control output terminal which outputs "H" when METAL is ON.
24	XO	O	XO	X'tal connection terminals.
25	XI	I	XI	
26	GND		GND	
27	CGP	O	BZ	Beep sound pulse output port. Outputs 2.0 kHz pulse for 60 ms.
28	PL3	O	DOLBY	Dolby control output terminal. Outputs "H" when Dolby is ON.
29	PL2	O	T-ADV	T-ADV control output terminal. Outputs "L" only when T-ADV and alternate SW FF/REW are ON in TAPE mode.
30	LCD25	O	NC	Segment output terminals.
31	LCD24	O	S24	
44	LCD11		S11	

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CIRCUIT DESCRIPTION

Pin No.	Pin Name	I/O	Function Name	Operation
45	LCD10/KS10	O	S10	Segment output and key source terminals.
47	LCD8/KS8		S8	
48	LCD7	O	S7	Segment output terminals.
50	LCD5		S5	
51	LCD4/KS4	O	S4	Segment output and key source terminals.
55	LCD0/KS0		S0	
56	COM1	O	COM1	Common output terminals.
57	COM2	O	COM2	
58	GND		GND	
59	K3	I	K3	Key input terminals.
62	K0		K0	
63	AD	I	SD	Station detection input terminal. Inputs "H" when a station is detected.
64	$\overline{\text{INT}}$	I	$\overline{\text{REQ-IN}}$	Input terminal for requests from CD-CH.

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CIRCUIT DESCRIPTION

Key Matrix



Momentary key



Alternate key



Initial-setting
diode switch

(E type: for Europe)

	K0 (No. 62)	K1 (No. 61)	K2 (No. 60)	K3 (No. 59)
KS0 (No. 55)	DISC	SDK P-SEEK	DOWN/TRACK ⊖	UP/TRACK ⊕
KS1 (No. 54)	AUTO/LOUD	LOCAL/AME	AM/DISC ⊖	FM/DISC ⊕
KS2 (No. 53)				
KS3 (No. 52)	1/MTL	2/T-ADV (TU-CALL)	3/DOLBY	4
KS4 (No. 51)	5/REP	6/SKS		
KS8 (No. 47)	TAPE IN	FWD/REV	FF/REW	ST
KS9 (No. 46)				
KS10 (No. 45)	BAND A			

(J, K type: for Japan, North America)

	K0 (No. 62)	K1 (No. 61)	K2 (No. 60)	K3 (No. 59)
KS0 (No. 55)	DISC	CLK P-SCAN	DOWN/TRACK ⊖	UP/TRACK ⊕
KS1 (No. 54)	AUTO/LOUD	LOCAL/AME	AM/DISC ⊖	FM/DISC ⊕
KS2 (No. 53)				
KS3 (No. 52)	1/MTL	2/T-ADV (TU-CALL)*1	3/DOLBY*2	4
KS4 (No. 51)	5/REP	6		
KS8 (No. 47)	TAPE IN	FWD/REV	FF/REW	ST
KS9 (No. 46)				
KS10 (No. 45)	BAND A	BAND B		

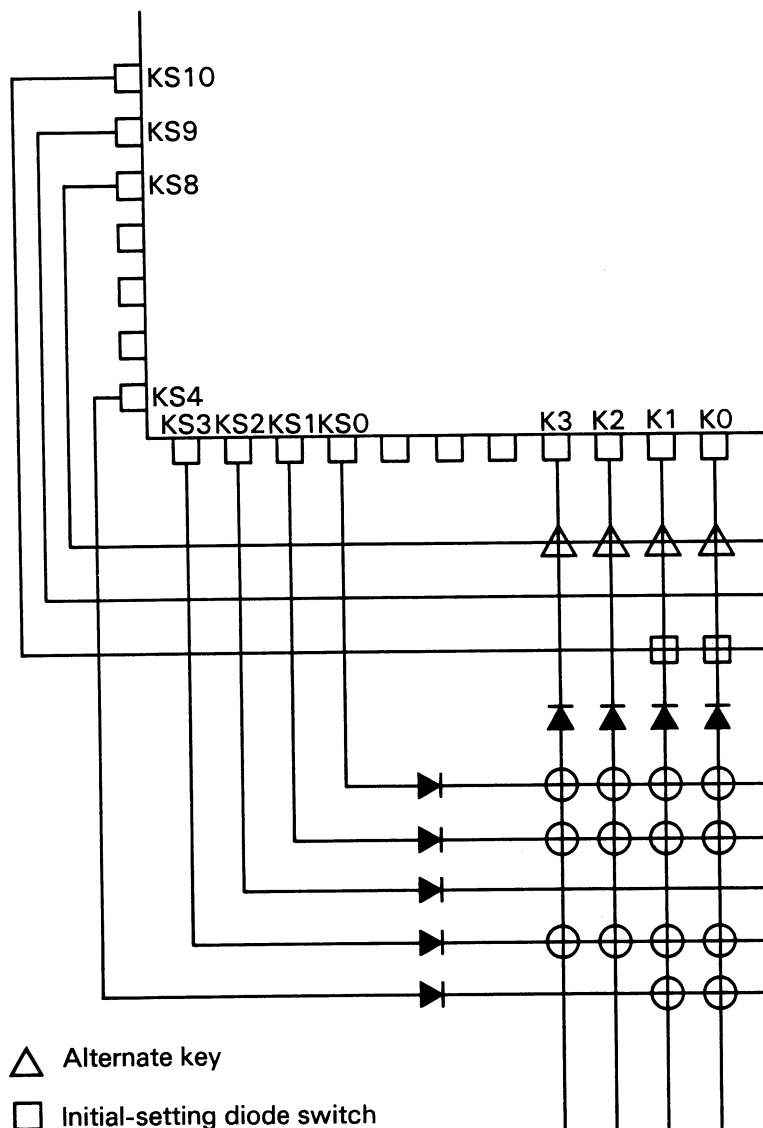
*1: J type → 2/T-ADV, K type → 2

*2: K type → 3

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CIRCUIT DESCRIPTION

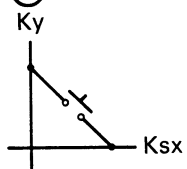
Key matrix configuration and model



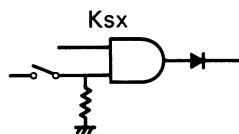
△ Alternate key

□ Initial-setting diode switch

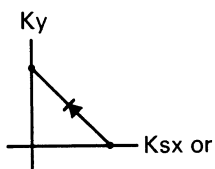
○ Momentary key



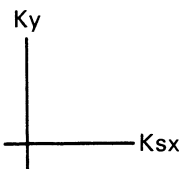
Momentary key



Alternate key



Initial-setting diode switch



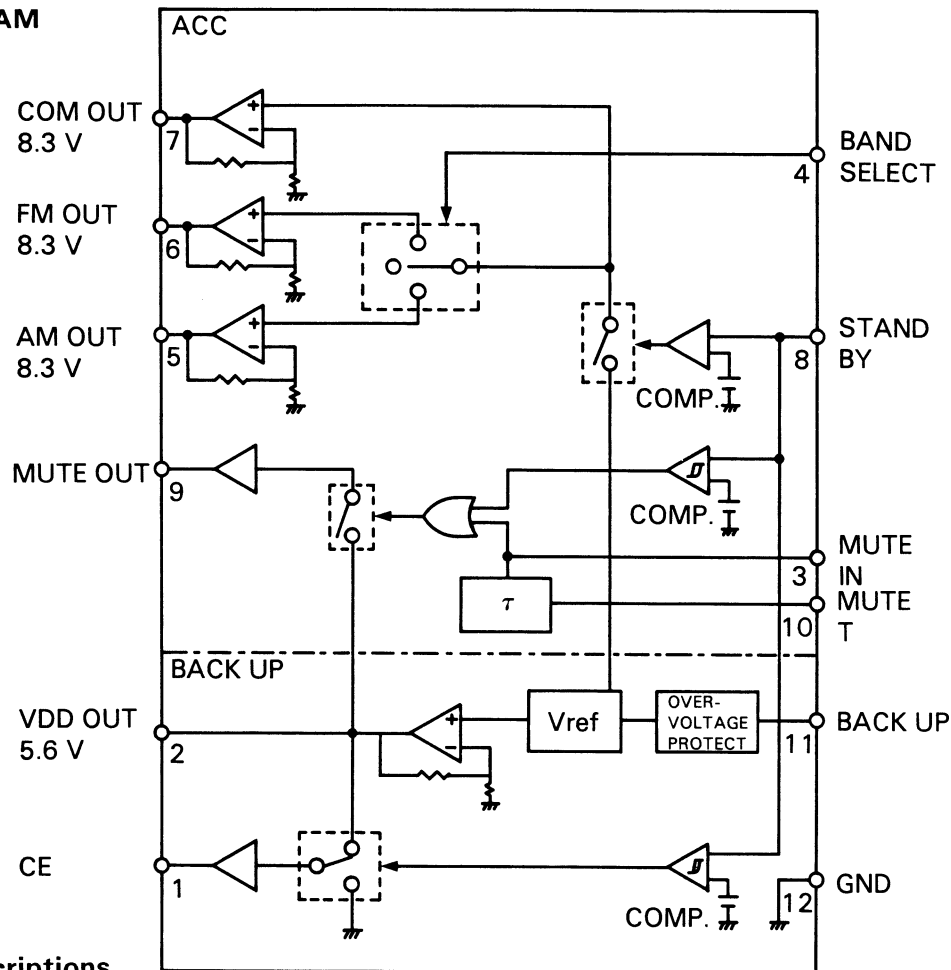
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CIRCUIT DESCRIPTION

BA3906-V1 (IC11: X14-3470-11)

Power Supply IC

BLOCK DIAGRAM

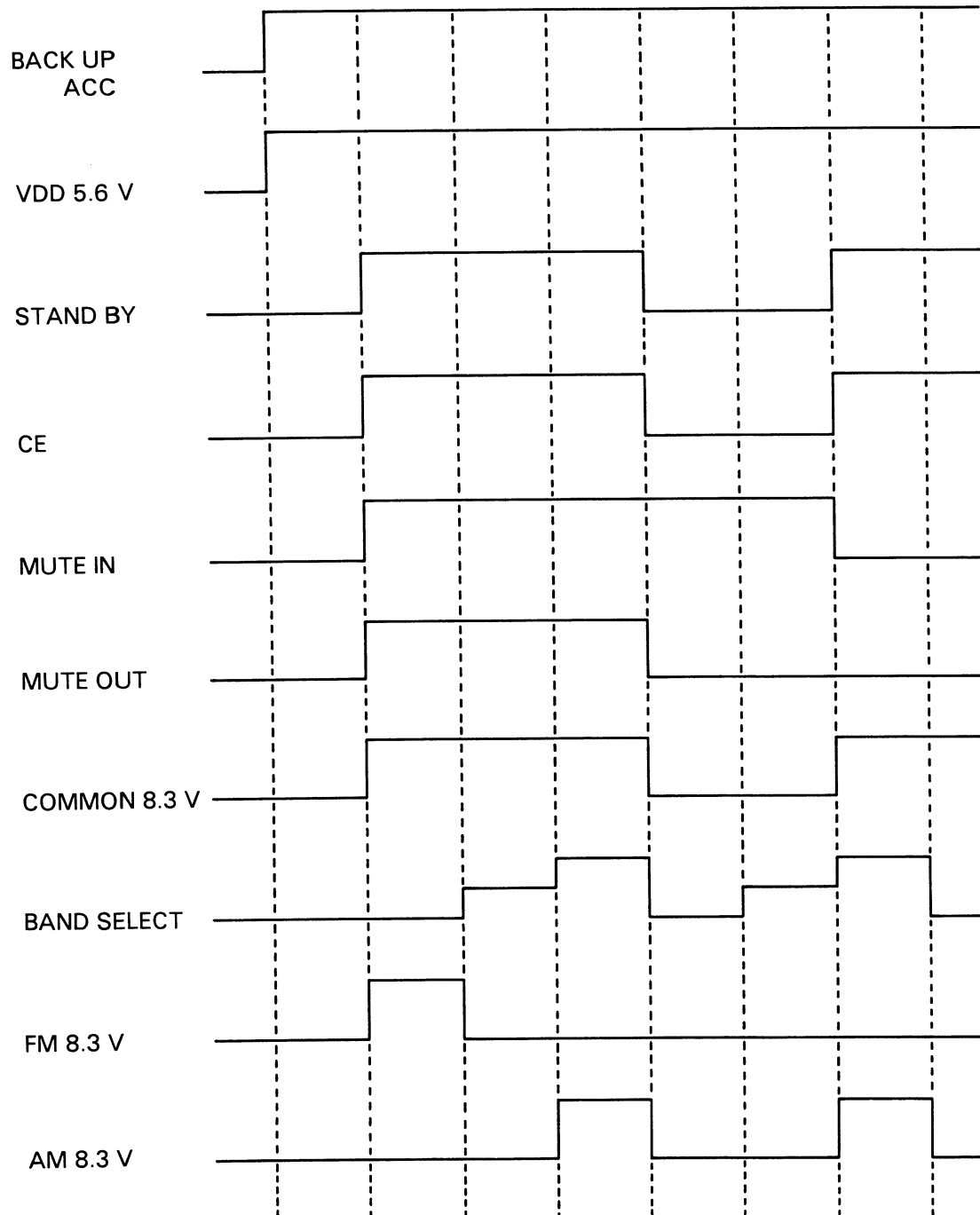


Terminal descriptions

1	CE	Outputs $0.82 \times V_{pp}$ or more when the μ -COM is to be operated normally, and outputs 0 V when it is not used. Holds 0 V even during stand-by.
2	V _{DD}	5.6 V power supply with 60 mA max. output current. For use with μ -COM. Permanently outputs voltage provided that the backup power is connected.
3	MUTE IN	Input terminal for MUTE from μ -COM or other external sources.
4	BAND SELECT	AM/FM output selection input with 3-state input. 8.3 V power supply with 145 mA max. output current. For use in AM reception.
5	AM OUT	Outputs power when "H" is input to BAND SELECT terminal.
6	FM OUT	8.3 V power supply with 250 mA max. output current. For use in FM reception. Outputs power when "L" is input to BAND SELECT terminals.
7	COM OUT	8.3 V power supply with 125 mA max. output current. For use in tone control. The power can be used as the system common power for the volume/balance control, for the equalizer, in the cassette tape deck, and for the varicap in the electronic tuner. Power is output when STANDBY terminal is 6.5 V or more, regardless of the BAND SELECT terminal position.
8	STAND BY	0 V for stand-by mode, in which signal is output only from V _{DD} terminal. The voltage at this terminal determines CE output and MUTE OUT output as well as AM OUT, FM OUT and COM OUT outputs.
9	MUTE OUT	MUTE transistor driver.
10	MUTE	Time constant terminal for MUTE IN.
11	BACK UP	Connected to backup power and ACC power of the vehicle.
12	GND	Input/output timing chart Ground.

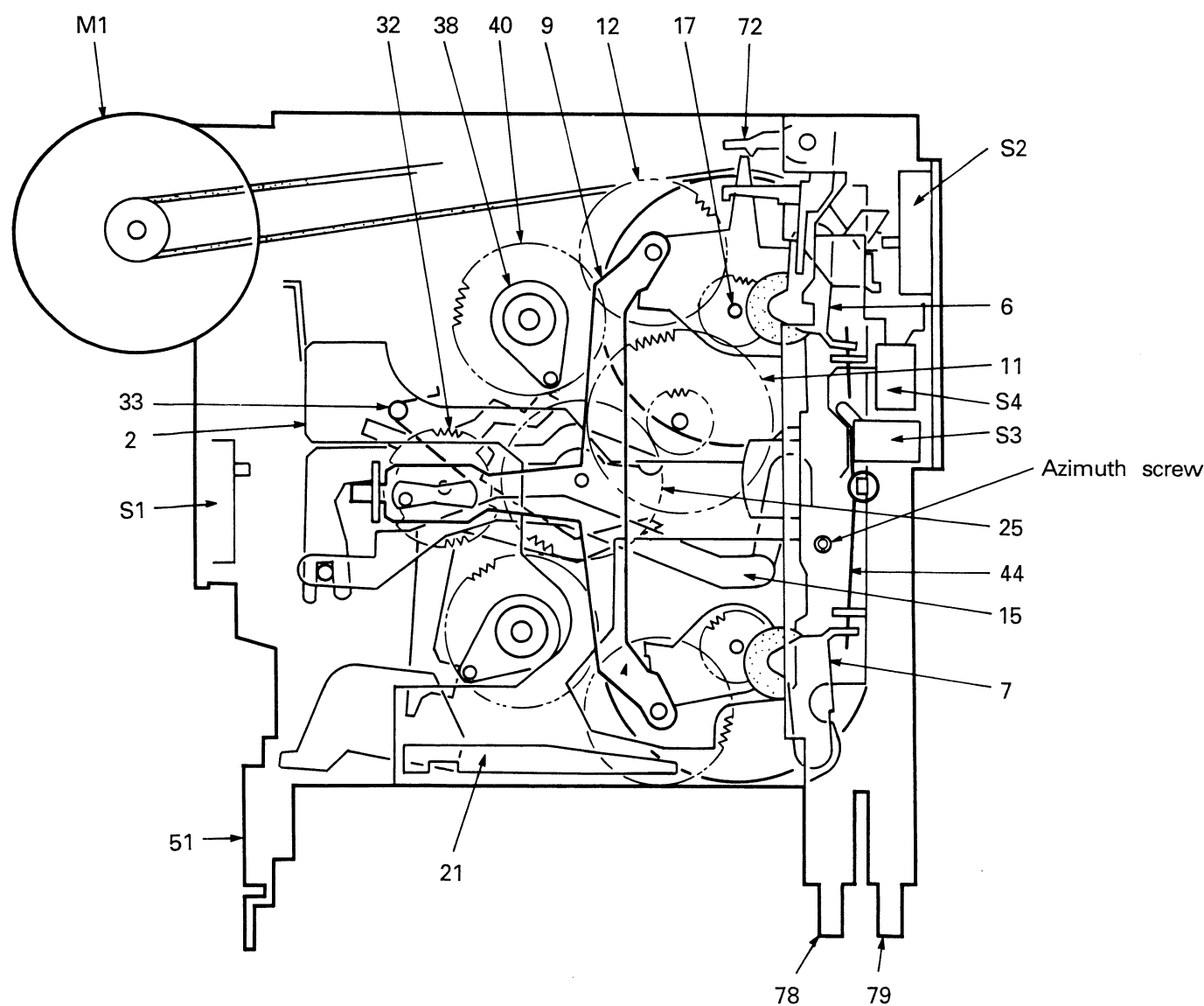
CIRCUIT DESCRIPTION

Input/Output timing chart 102



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MECHANISM OPERATION DESCRIPTION

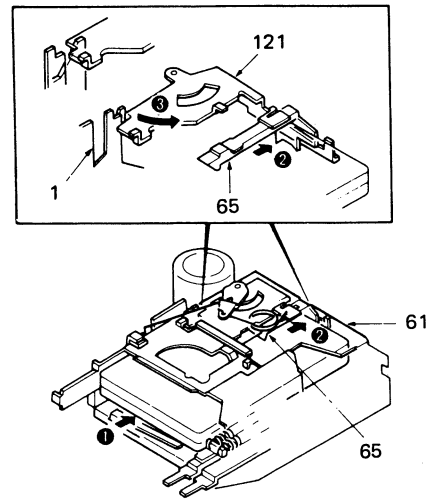


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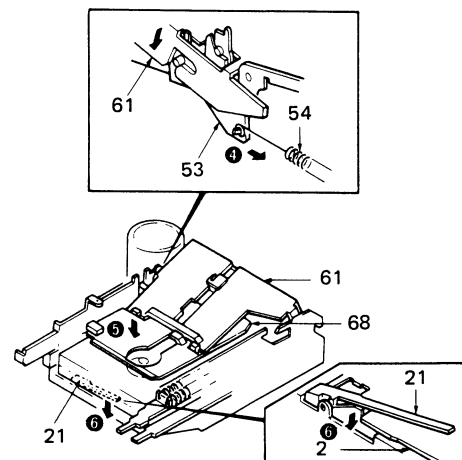
MECHANISM OPERATION DESCRIPTION

LOADING/PLAY

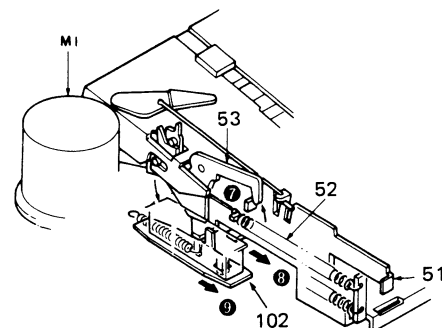
1. Insert a cassette tape (1).
2. The cassette guide (65) pushes to lever (reverse [121]) (2).
3. The lever (reverse [121]) turns in the direction of the arrow and releases the lock of the holder (action plate [61]) (3).



4. Through the lock release of the lever (reverse [121]), the arm (action [53]) is pulled by the tension spring (54), which turns the holder (action plate [61]). The holder (action plate) descends (4).
5. Through the descent of the holder (action plate [61]), the holder (cassette case [68]) also descends (5).
6. As the holder (cassette case [68]) descends, the cassette tape pushes the lever (lock plate [21]). The lever (lock plate [21]) then releases the lock of the lever assembly (head plate [2]) (6).



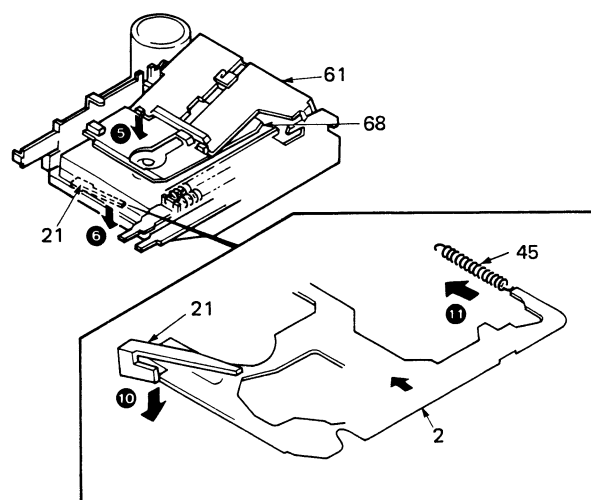
7. As the arm (action [53]) turns, the lock of the lever assembly (eject [51]) is released (7).
8. The lever assembly (eject [51]) is pulled by the tension spring (52) and moves forward (8).
9. Through the movement of the lever assembly (eject [51]), the lever (102) also moves forward and turns on the slide switch S1. As the slide switch S1 is turned on, electricity is supplied to the motor assembly (M1) (9).



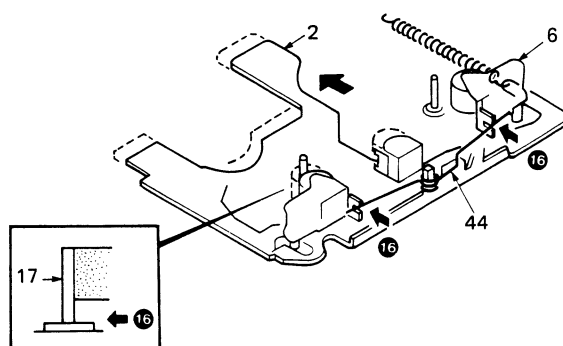
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MECHANISM OPERATION DESCRIPTION

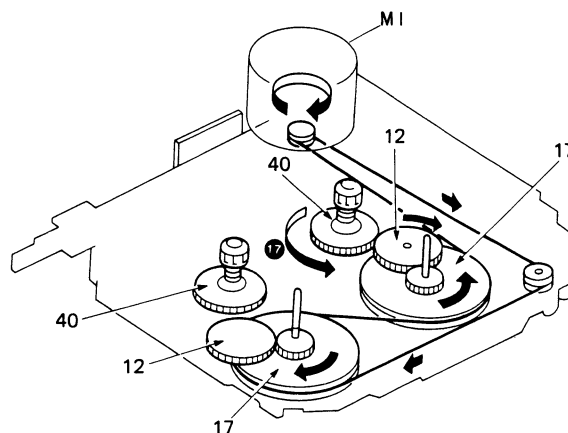
10. As the holder (cassette case [68]) descends, the cassette tape pushes the lever (lock plate [21]) then releases the lock of the lever assembly (head plate [2]) (10).
11. The lever assembly (head plate [2]) is pulled by the tension spring (45) and moves forward (11).



12. Through the forward movement of the lever assembly (head plate [2]), pinch roller assembly (6) make close contact with the shaft of the flywheel (17) through the formed wire spring (44) (16).

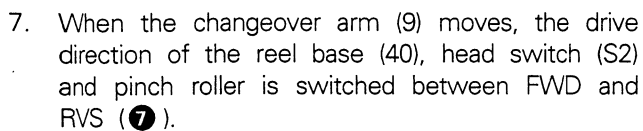
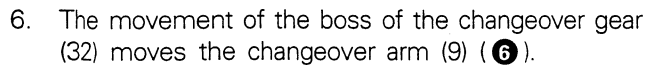


13. The rotation is transmitted from each gear (17-12) to the reel base (40) of the take-up side (17).



MECHANISM	OPERATION	DESCRIPTION
1	1.1	1.1.1
2	2.1	2.1.1
3	3.1	3.1.1
4	4.1	4.1.1
5	5.1	5.1.1
6	6.1	6.1.1
7	7.1	7.1.1
8	8.1	8.1.1
9	9.1	9.1.1
10	10.1	10.1.1
11	11.1	11.1.1
12	12.1	12.1.1
13	13.1	13.1.1
14	14.1	14.1.1
15	15.1	15.1.1
16	16.1	16.1.1
17	17.1	17.1.1
18	18.1	18.1.1
19	19.1	19.1.1
20	20.1	20.1.1
21	21.1	21.1.1
22	22.1	22.1.1
23	23.1	23.1.1
24	24.1	24.1.1
25	25.1	25.1.1
26	26.1	26.1.1
27	27.1	27.1.1
28	28.1	28.1.1
29	29.1	29.1.1
30	30.1	30.1.1
31	31.1	31.1.1
32	32.1	32.1.1
33	33.1	33.1.1
34	34.1	34.1.1
35	35.1	35.1.1
36	36.1	36.1.1
37	37.1	37.1.1
38	38.1	38.1.1
39	39.1	39.1.1
40	40.1	40.1.1
41	41.1	41.1.1
42	42.1	42.1.1
43	43.1	43.1.1
44	44.1	44.1.1
45	45.1	45.1.1
46	46.1	46.1.1
47	47.1	47.1.1
48	48.1	48.1.1
49	49.1	49.1.1
50	50.1	50.1.1
51	51.1	51.1.1
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96	96.1	96.1.1
97	97.1	97.1.1
98	98.1	98.1.1
99	99.1	99.1.1
100	100.1	100.1.1

1. Push the FF and REW levers simultaneously (**1**).
2. The arm assembly (15) moves toward the right (**2**).
3. The lever (31) is pulled (**3**), and the changeover gear (32) is unlocked.
4. The changeover gear is pushed by the torsion spring (33), and engaged with the cam gear (25) (**4**).
5. The changeover gear (32) is rotated by a half turn and locked with the lever (31) again.

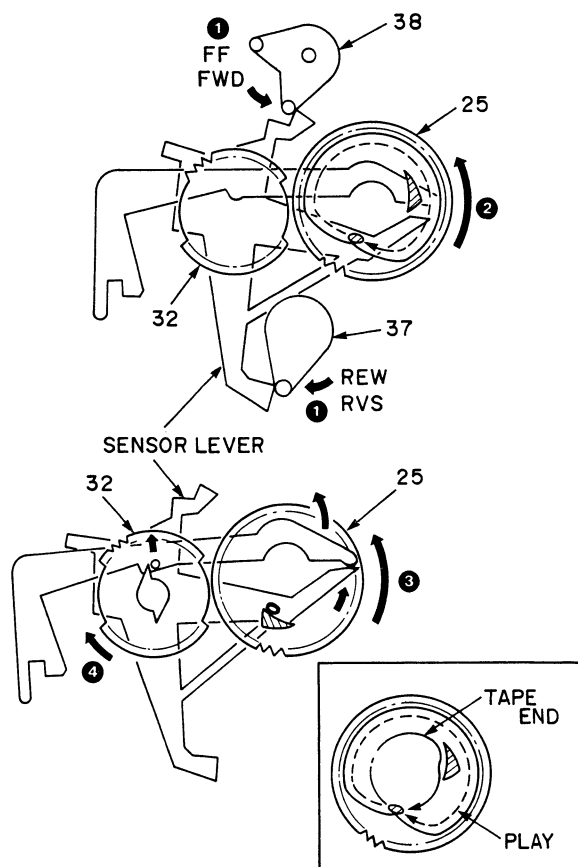


KRC-540/550

MECHANISM OPERATION DESCRIPTION

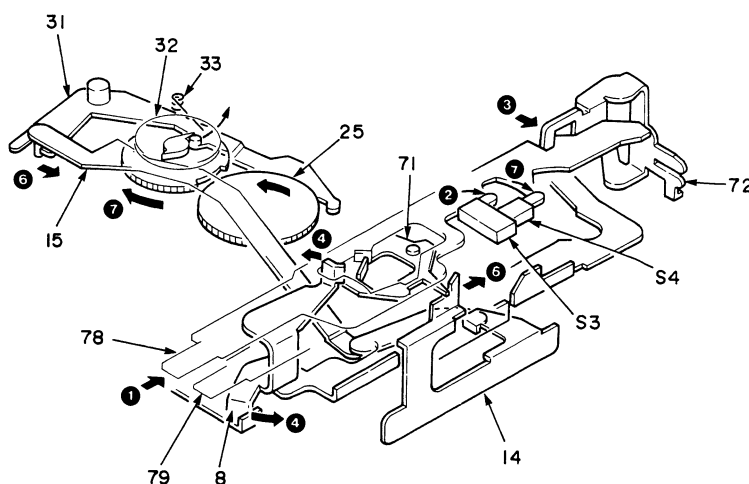
AUTO REVERSE

1. When the reel base (40) stops rotation at the end of tape, the arm (38) stops pushing the sensor lever (1).
2. The sensor lever is engaged with the cam projection of the cam gear (25) and carried until the intermediate point of the cam gear (2).
3. Then, the sensor lever is carried by the triangular boss of the cam gear (25) and pushes the lock lever (3).
4. When the lock lever is pushed, the changeover gear rotates and the program operation starts (4).



REW

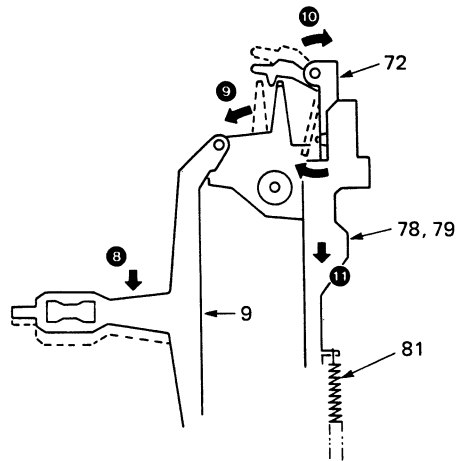
1. Push the lever REW (78) (1).
2. Pushing the lever REW (78) closes the leaf switch (S3) and muting is applied (2).
3. The lever REW (78) is locked by the arm (72) (3).
4. By pushing the lever REW (78), the lever (8) is pushed in the direction of arrow (4).
5. Through being pushed, the lever (8) moves the lever assembly (head plate [2]) backward a little (5). Through the backward movement of the lever assembly, the playback head (HD1) and pinch roller (7) also moves backward a little.
6. This time, the lever REW (78) moves the arm assembly (15) and PROGRAM operation is engaged (6).
7. The rotation of the reel base (40) is high-speeded by the speed selector switch (S4) (7).



KRC-540/550

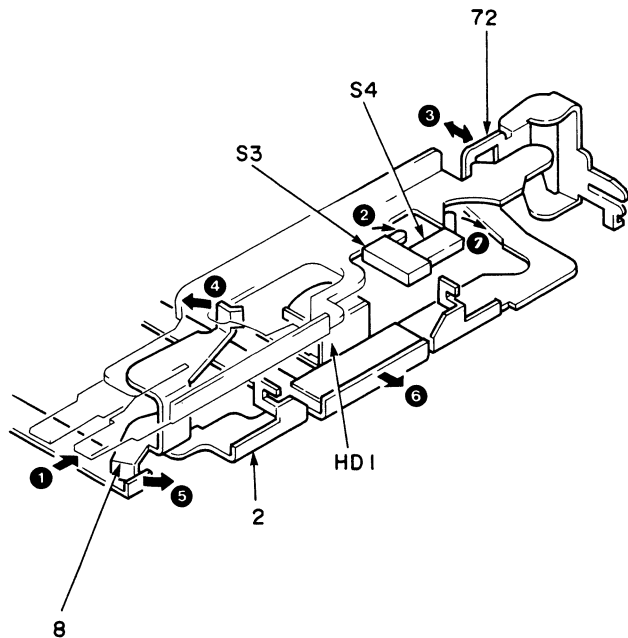
MECHANISM OPERATION DESCRIPTION

8. At the tape end during the operation of REW, the end sensor is activated, and the changeover arm (9) moves the arm (72) during the operation of PROGRAM (8) (9) (10). The lever REW (78) is released (11).
9. To release REW, slightly depress the lever FF (79).
10. By depressing the lever FF (79), the arm (72) moves, and the lever REW (78) returns by the tension spring (81) (11).



FF

1. Push the lever FF (79) (1).
2. Pushing the lever FF (79) closes the leaf switch (S3) and muting is applied (2).
3. The lever FF (79) is locked by the arm (72) (3).
4. By pushing the lever FF (79), the lever (8) is pushed in the direction of arrow (4).
5. Through being pushed, the lever (8) moves the lever assembly (head plate [2]) backward a little (5). The playback head (HD1) and pinch roller also moves backward a little.
6. The rotation of the reel base (40) is high-speeded by the speed selector switch (S4) (6).

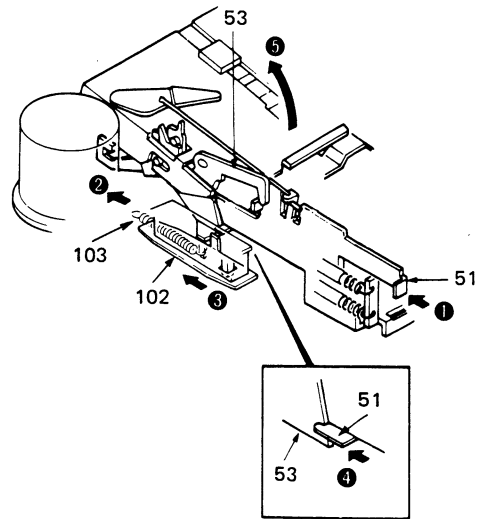


KRC-540/550

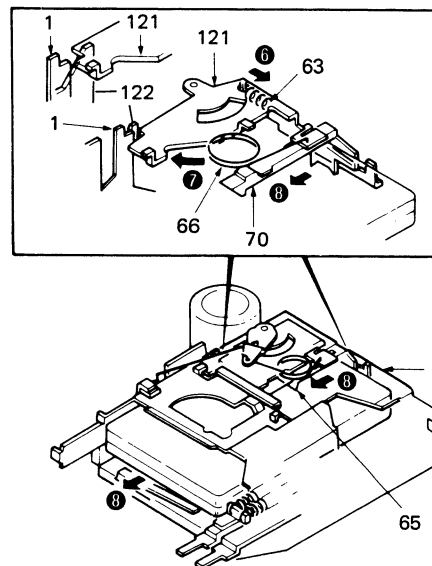
MECHANISM OPERATION DESCRIPTION

EJECT

1. Push the lever assembly (eject [51]) (①).
2. By pushing the lever assembly (eject [51]), the tension spring (103) pushes the lever (102) (②).
3. Though pushing the lever (102), the slide switch (S1) is turned off, and the lever assembly (head plate [2]) moves backward (③).
4. The lever assembly (eject [51]) pushes and turns the arm (action [53]) (④).
5. By turning, the arm (action [53]) pushes up the holder (action plate [61]) (⑤).



6. When the holder (action plate [61]) is pushed up, the lever (reverse [121]) is pulled by the tension spring (63) and turns (⑥).
7. In turning, the lever (reverse [121]) is put on the lever of the mechanism chassis (122) (⑦).
8. The cassette guide (65) is pushed forward by the torsion coil spring (66), and the cassette tape is ejected (⑧).



KRC-540/550

ADJUSTMENT

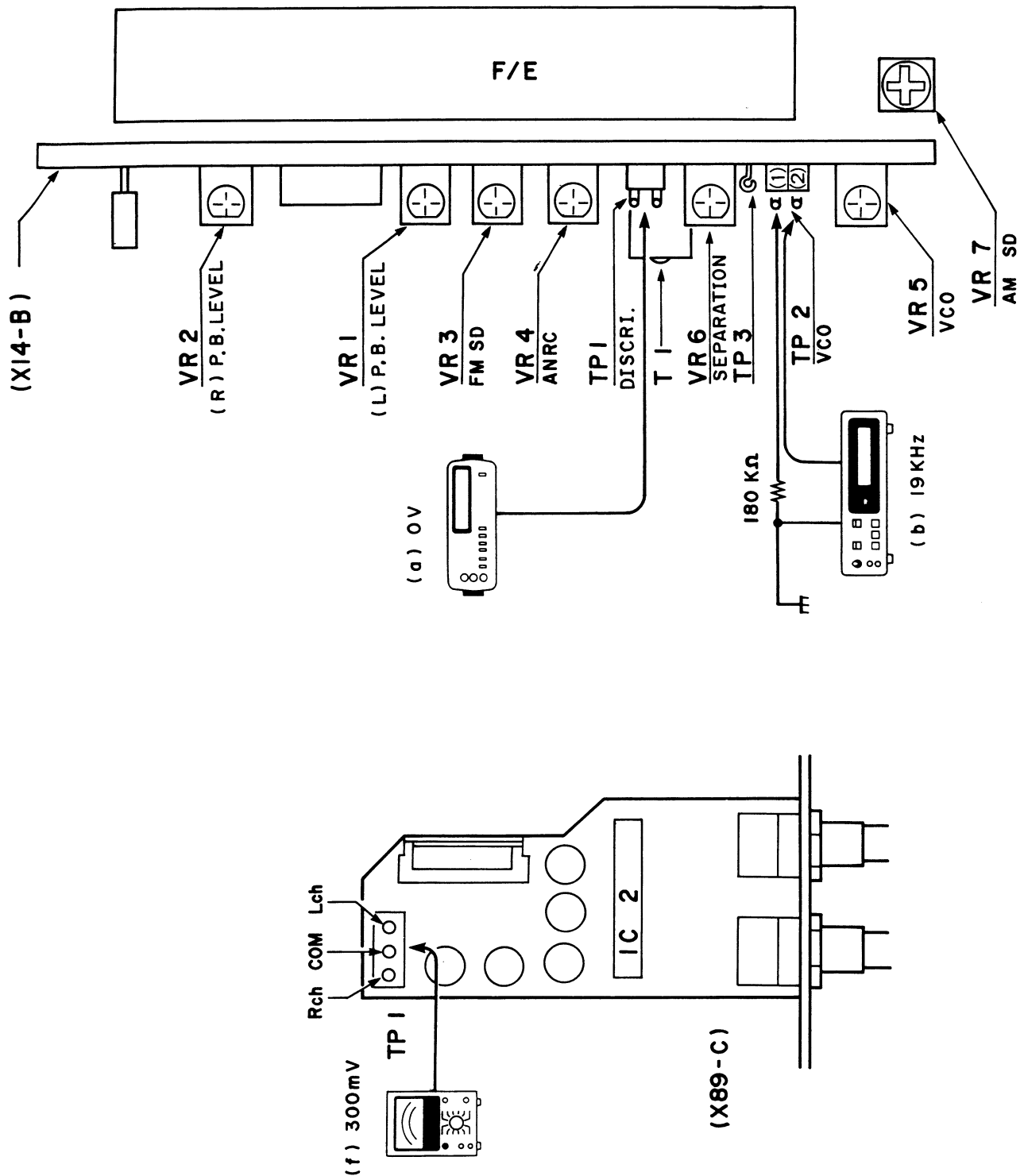
Set the controls and switches as follows.

BALANCE :center position LOUD :OFF LOCAL :OFF
 FADER :center position T·ADV :OFF AUTO :OFF
 BASS :center position METAL :OFF
 TREBLE :center position DOLBY NR :OFF

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER(RECEIVER) SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION							
1	DISCRI-MINATOR	(A) 98.1MHz 0 dev 60dBu(ANT input)	Connect the DC voltmeter between pins of TP1(X14 B/3)	FM 98.1MHz	T1 (X14 B/3)	0V	(a)
2	VCO	(A) 98.1MHz 0 dev 60dBu(ANT input)	Connect a frequency counter to TP2 (2) and GND	FM 98.1MHz Connect a R(180K Ω) between TP2(1) and GND	VR5 (X14 B/3)	19KHz	(b)
3	SEPA-RATION	(C) 98.1MHz 1kHz, $\pm$ 40kHz dev Pilot: $\pm$ 7.5kHz dev Selector: L or R 60dBu(ANT input)	(B)	FM 98.1MHz	VR6 (X14 B/3)	Adjust it so that the crosstalk from L to R and R to L become minimum.	
4	ANRC	(C) 98.1MHz 1kHz, $\pm$ 40kHz dev Pilot: $\pm$ 7.5kHz dev Selector: L or R 35dBu(ANT input)	(B)	FM 98.1MHz Connect a lead wire between TP3 and GND	VR4 (X14 B/3)	Separation 10dB	
5	SEEK STOP LEVEL	(A) 98.1MHz 1kHz, $\pm$ 40kHz dev 20dBu(ANT input)	Connect the DC voltmeter to TP5(X14 A/3)	FM SEEK: ON 98.1MHz	VR3 (X14 B/3)	Low $\rightarrow$ High(Voltage) (Seek stop)	(c)
AM SECTION							
(1)	SEEK STOP LEVEL	(D) 1000kHz 400Hz, 30% mod 35dBu(ANT input)	Connect the DC voltmeter to TP5(X14 A/3)	AM 1000kHz	VR7 (X14 A/3)	Low $\rightarrow$ High(Voltage) (Seek stop)	(c)
CASSETTE DECK SECTION							
[1]	AZIMUTH	MTT-114 10kHz	(B)	TAPE PLAY	Head Azimuth Screw	Adjust the azimuth for each L CH/R CH or FWD/RVS becomes maximum.	(e)
[2]	PLAYBACK LEVEL	MTT-150	Connect a AC voltmeter to TP1(X89 C/3)	TAPE PLAY	VR1 (L) VR2 (R) (X14 B/3)	300mV	(f)

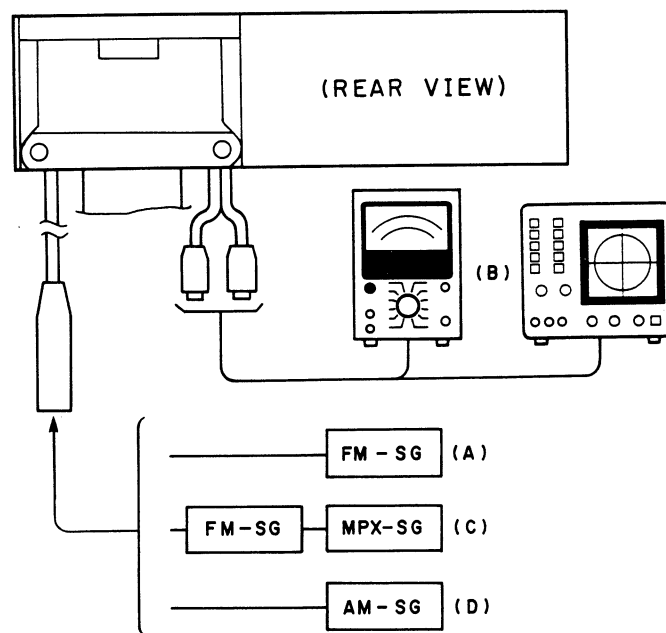
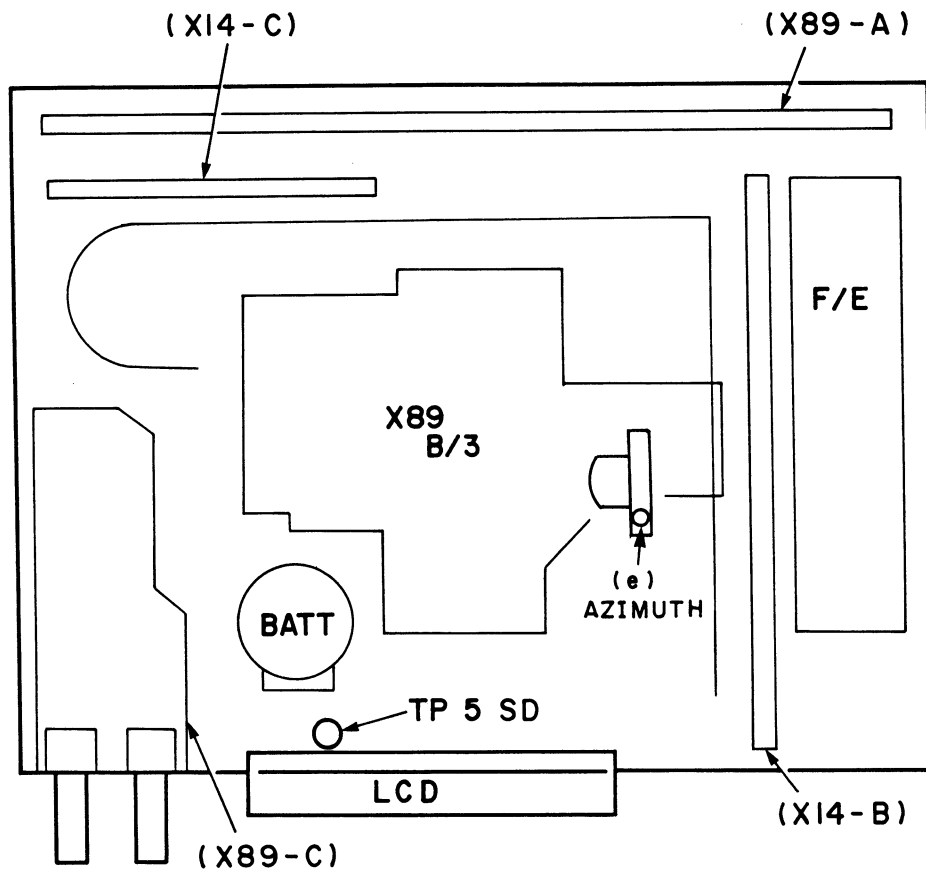
KRC-540/550

ADJUSTMENT



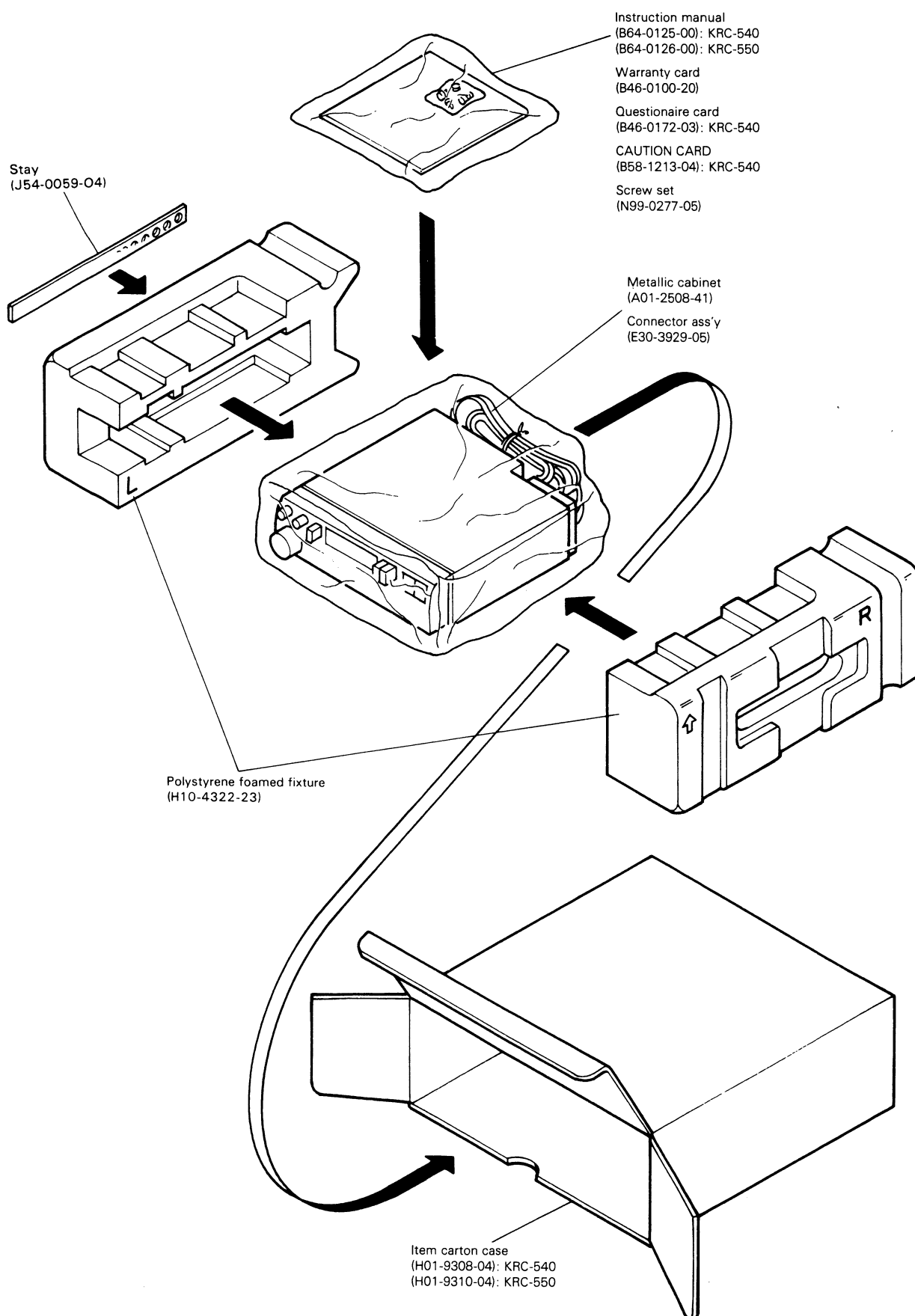
KRC-540/550

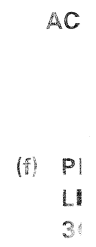
ADJUSTMENT

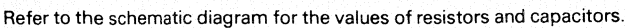


KRC-540/550

PACKING





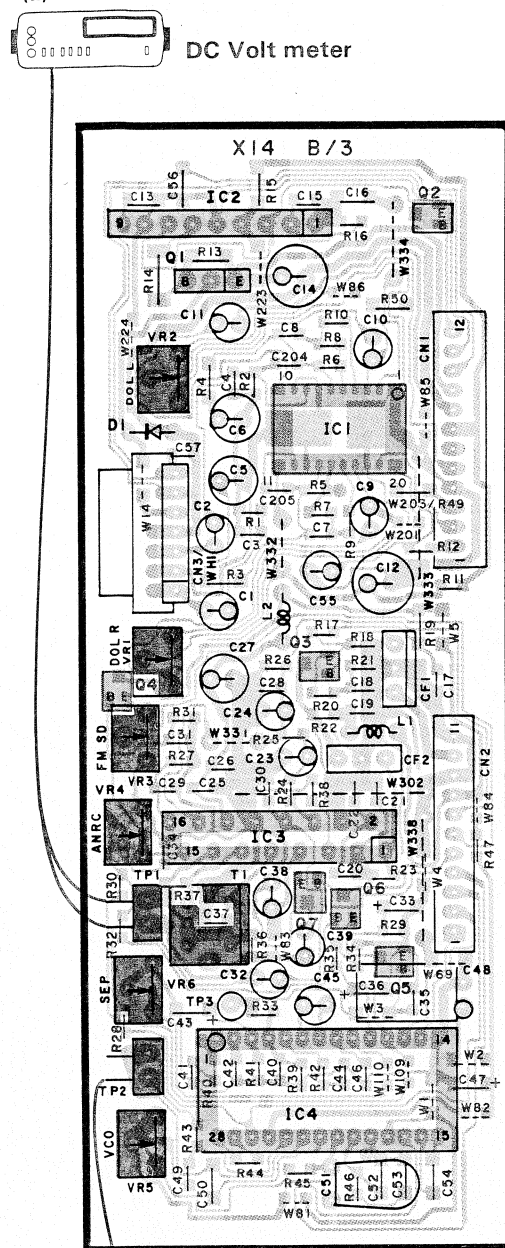


Ref. No.	IC	Q	Address
		4	3J
		5	5I
		6	4I
		7	4I
		10	
		11	4H
		12	3E
		13	2E
		14	2E
		17	4D
		18	5D
		19	5D
		20	5D
		21	4C
		22	3D
		23	1D
		24	3H
		25	5H
		26	4H
		27	5H
		29	4C
		30	4F
		31	4F
		32	4F
		33	5F
		34	3F
		35	3F
		36	3G
		37	6H
		38	6G
		39	6G
		42	3E
		43	4D
		44	5D
		46	6C
		47	4D
		49	2C
		51	5E
		52	5D
		53	5D
		54	4D
		55	4E
		56	3D
		57	4D
1			3I
2			2I
3			4I
4			5I
5			3A
6			2B
7			1B
8			3D
11			3G
12			5E

(a) DISCRIMINATOR: 0 V

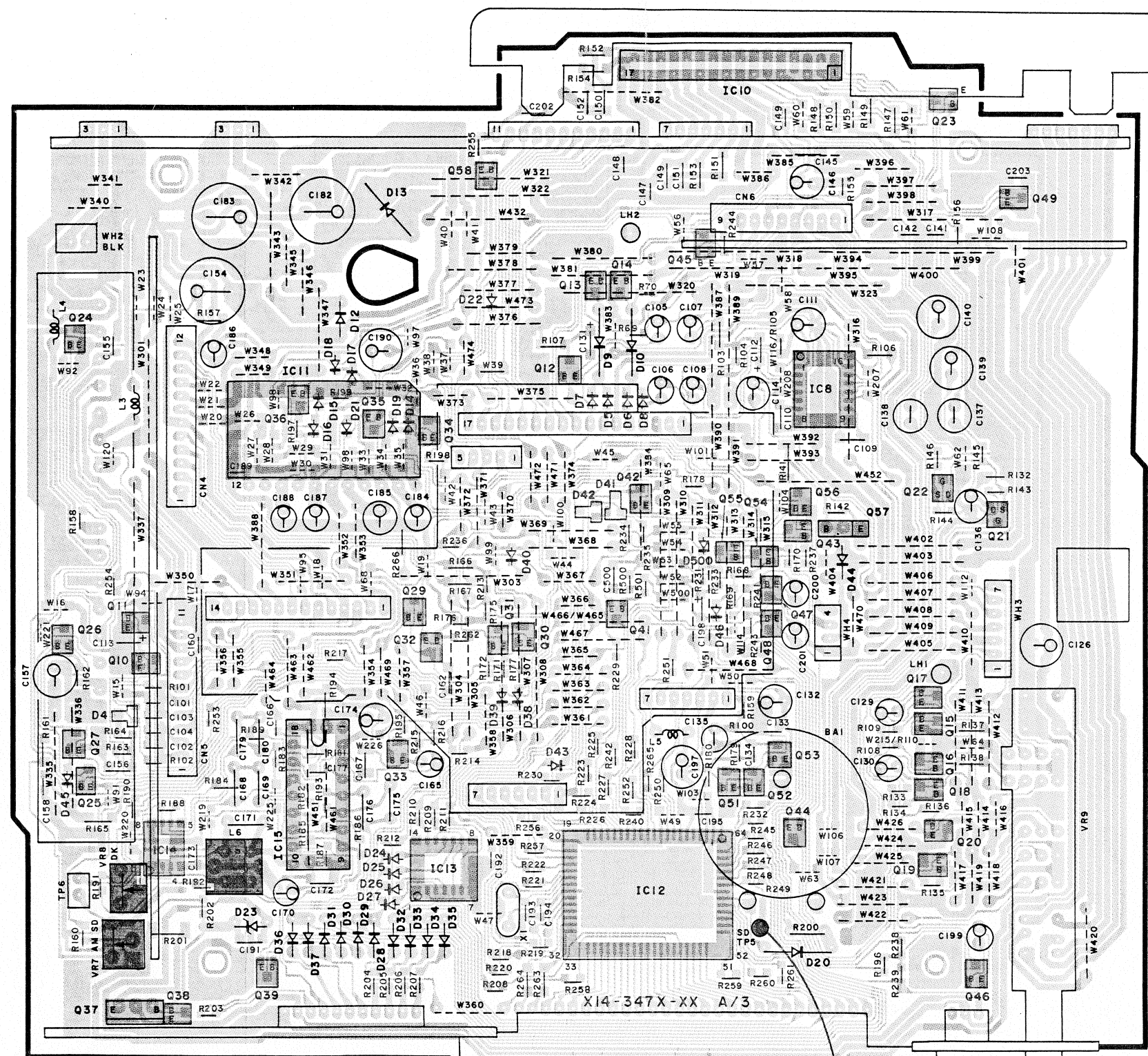


DC Volt meter



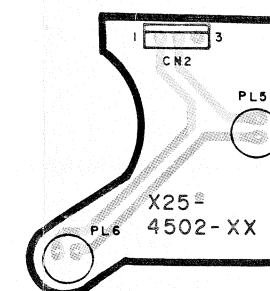
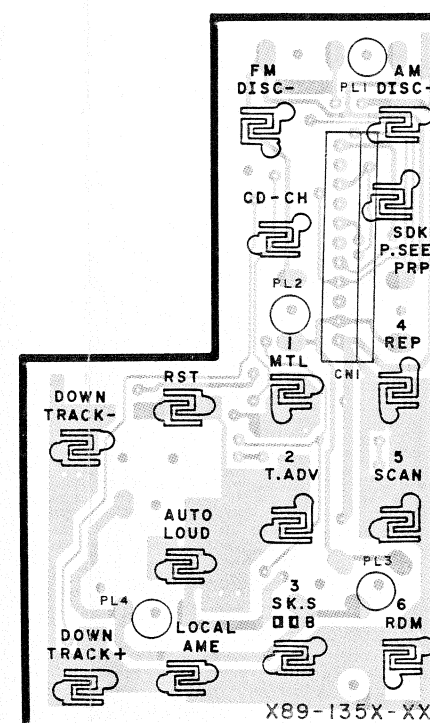
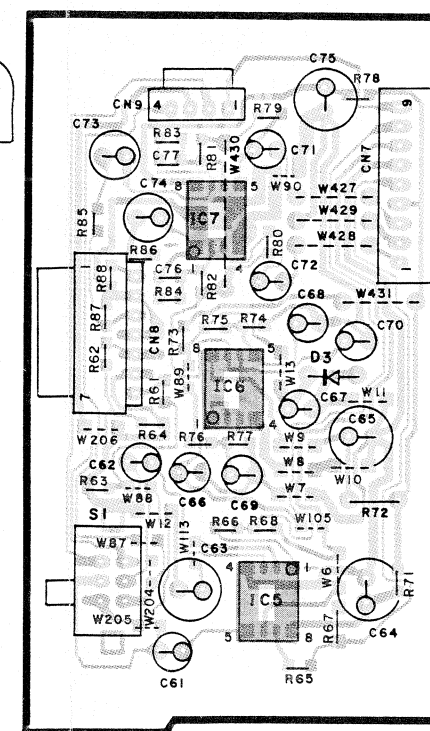
 Frequency counter

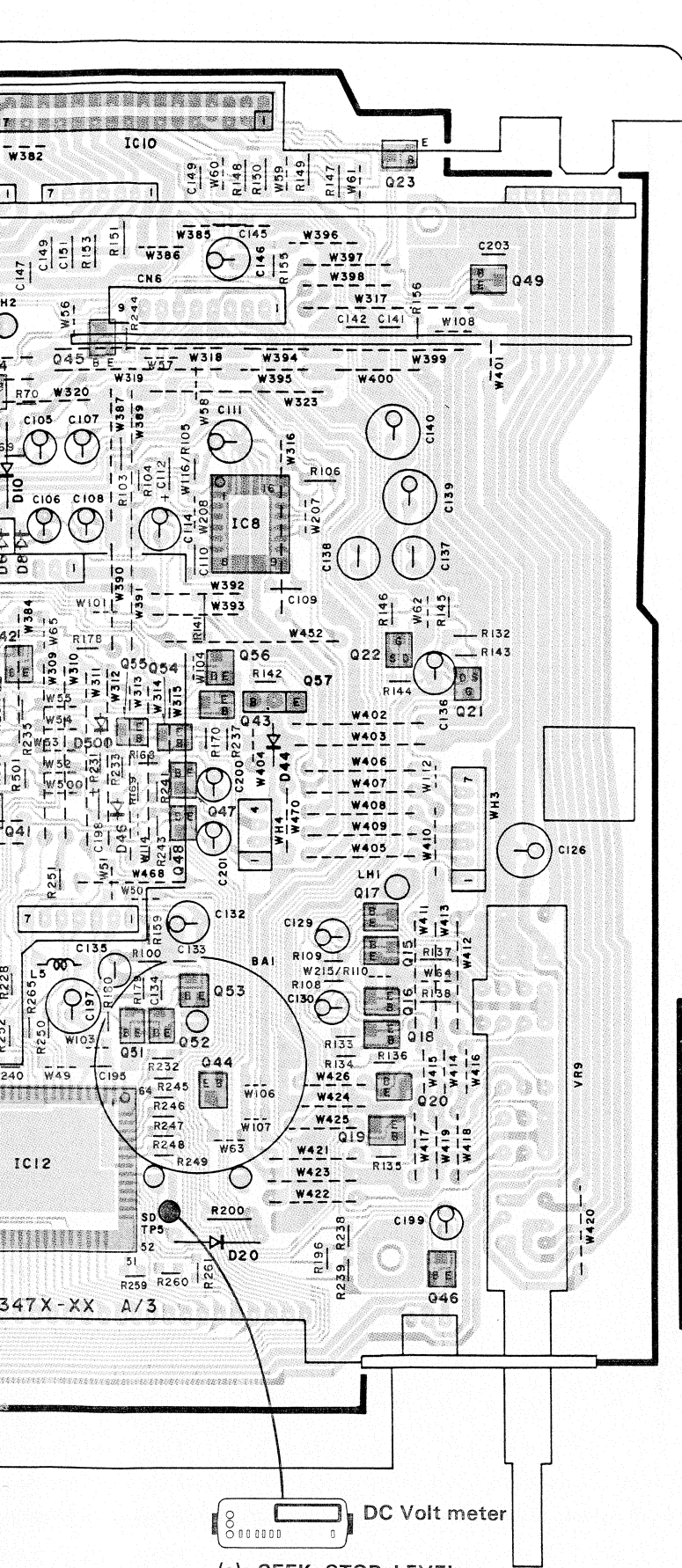
(b) VCO: 19 kHz



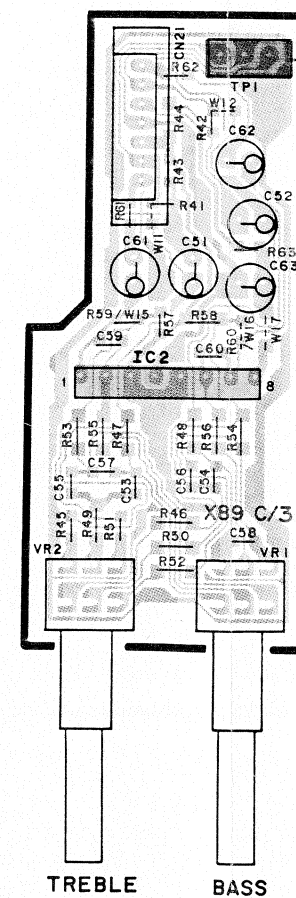
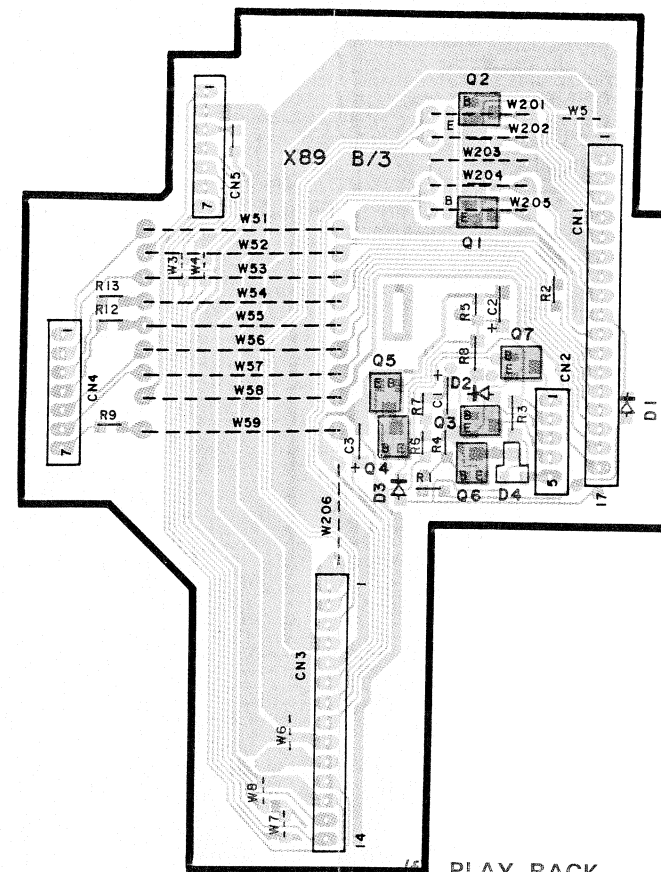
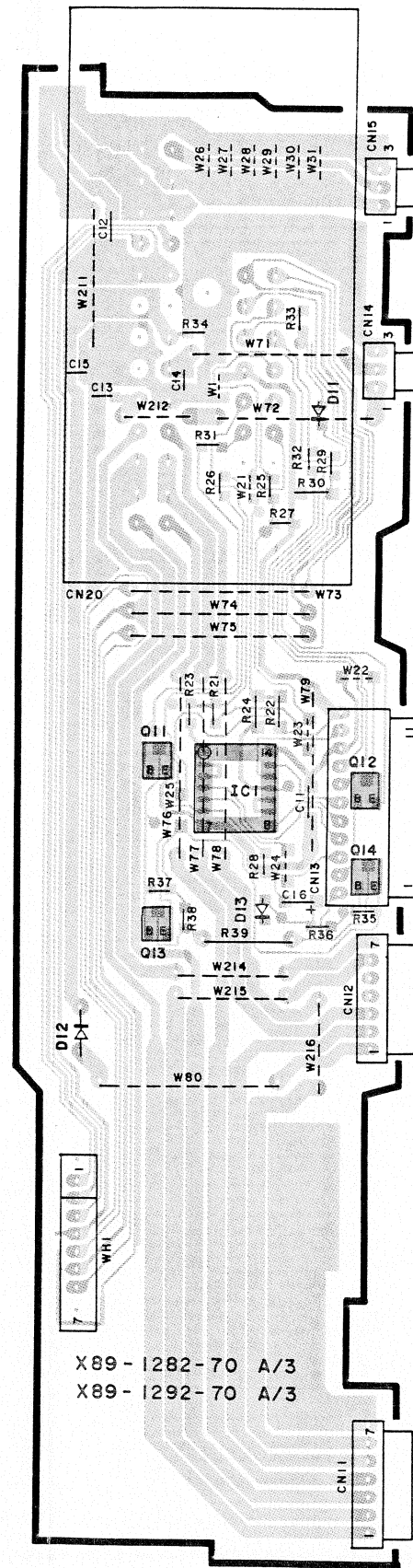
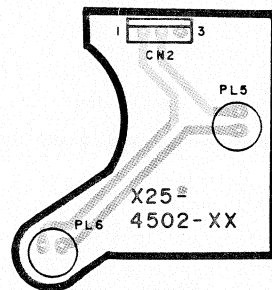
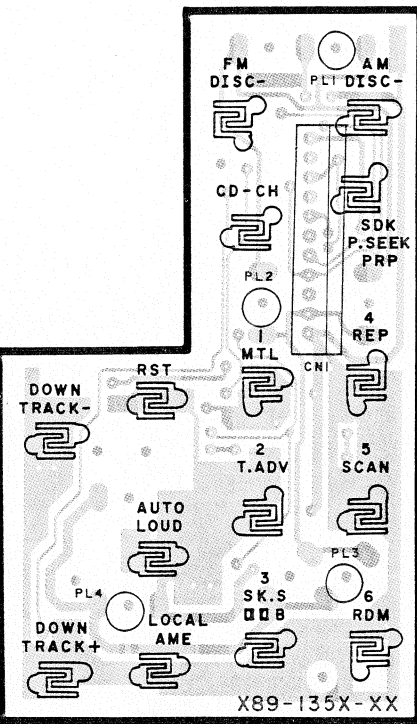
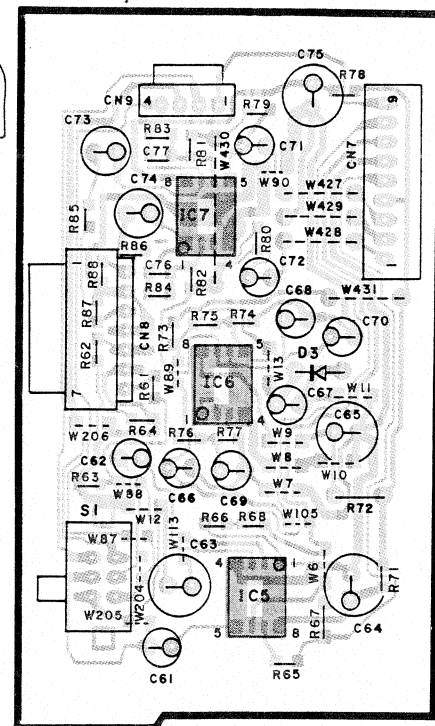
DC Volt meter

(c) **SEEK STOP LEVEL**
Low → High (Voltage)
(Seek stop)





(c) SEEK STOP LEVEL
Low → High (Voltage)
(Seek stop)



PLAY BACK
LEVEL:
300 mV

AC Volt meter

X14-3470-10

Ref. No.	Q	Address
4	4P	
5	5Q	
6	5Q	
7	5Q	
10	4R	
11	4R	
12	3U	
13	2U	
14	2U	
17	4V	
18	5V	
19	5V	
20	5V	
21	4W	
22	3V	
23	1V	
24	3R	
25	5R	
26	4R	
27	5R	
29	4T	
30	4T	
31	4T	
32	4T	
33	5T	
34	3T	
35	3T	
36	3S	
37	6R	
38	6S	
39	6S	
42	3U	
43	4V	
44	5V	
46	6W	
47	4V	
49	2W	
51	5U	
52	5V	
53	5V	
54	4V	
55	4U	
56	3V	
57	4V	
58	2T	
1	3Q	
2	2P	
3	4Q	
4	4Q	
5	3X	
6	2X	
7	1X	
8	3V	
11	3S	
12	5U	
13	5T	
14	5S	
15	5S	

IC10 : TA8215H
 IC11 : BA3906-V1
 IC12 : 1723GF-594-38E
 IC13 : TC4081BF

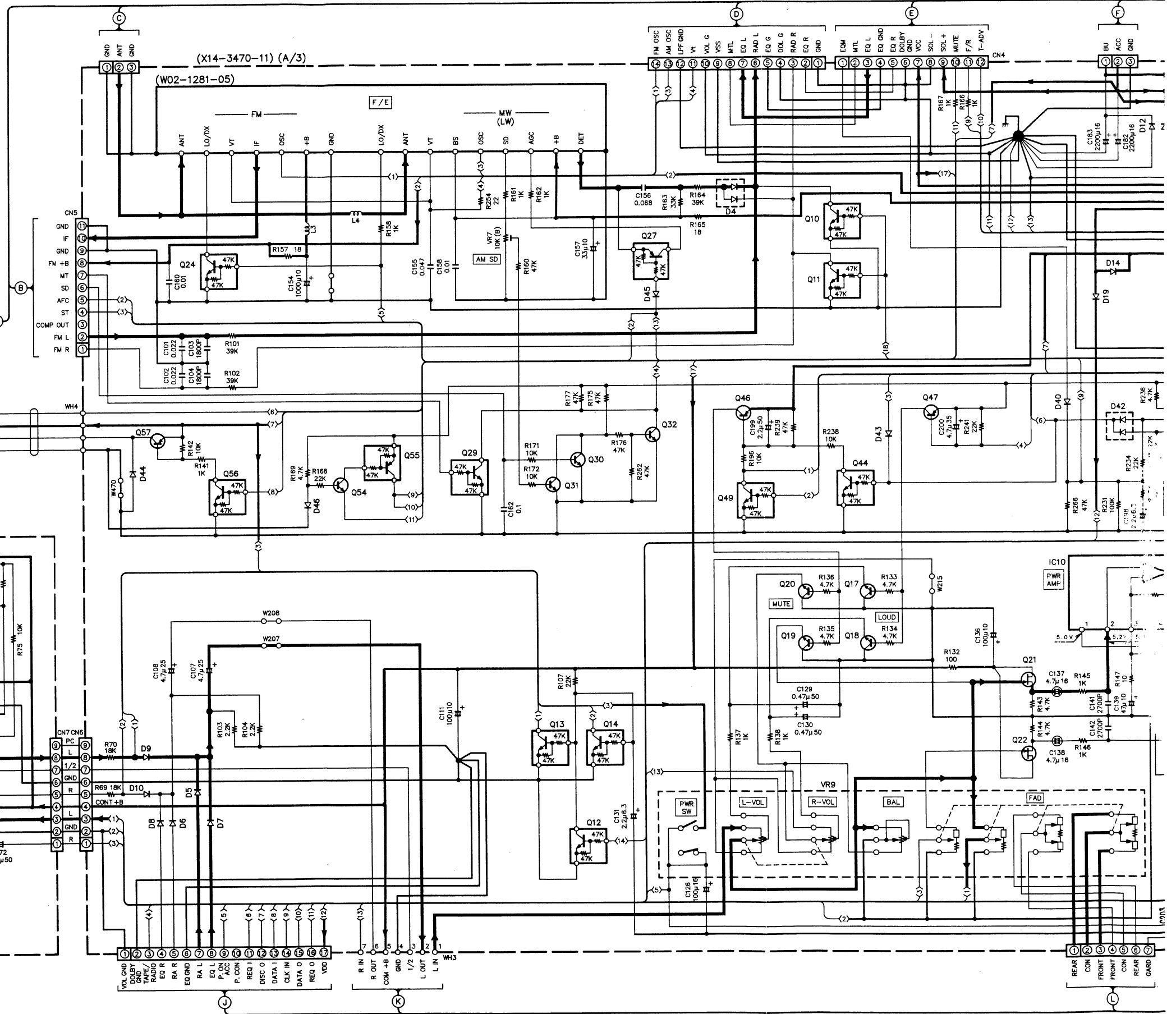
Q10~14, 23, 24, 29, 35 : DTC144EK
 42~44, 49 : 2SD1757K
 Q17~20 : 2SK433
 Q21, 22 : DTA144EK
 Q27, 36, 39, 55 : 2SC2412K
 Q30~32, 38, 51~54, 58 : DTA114EK
 Q34 : 2SB1370
 Q37 : 2SA1037K
 Q46, 47 : DTC114EK
 Q56 : 2SA1428 (O, Y)
 Q57 : DAP202K

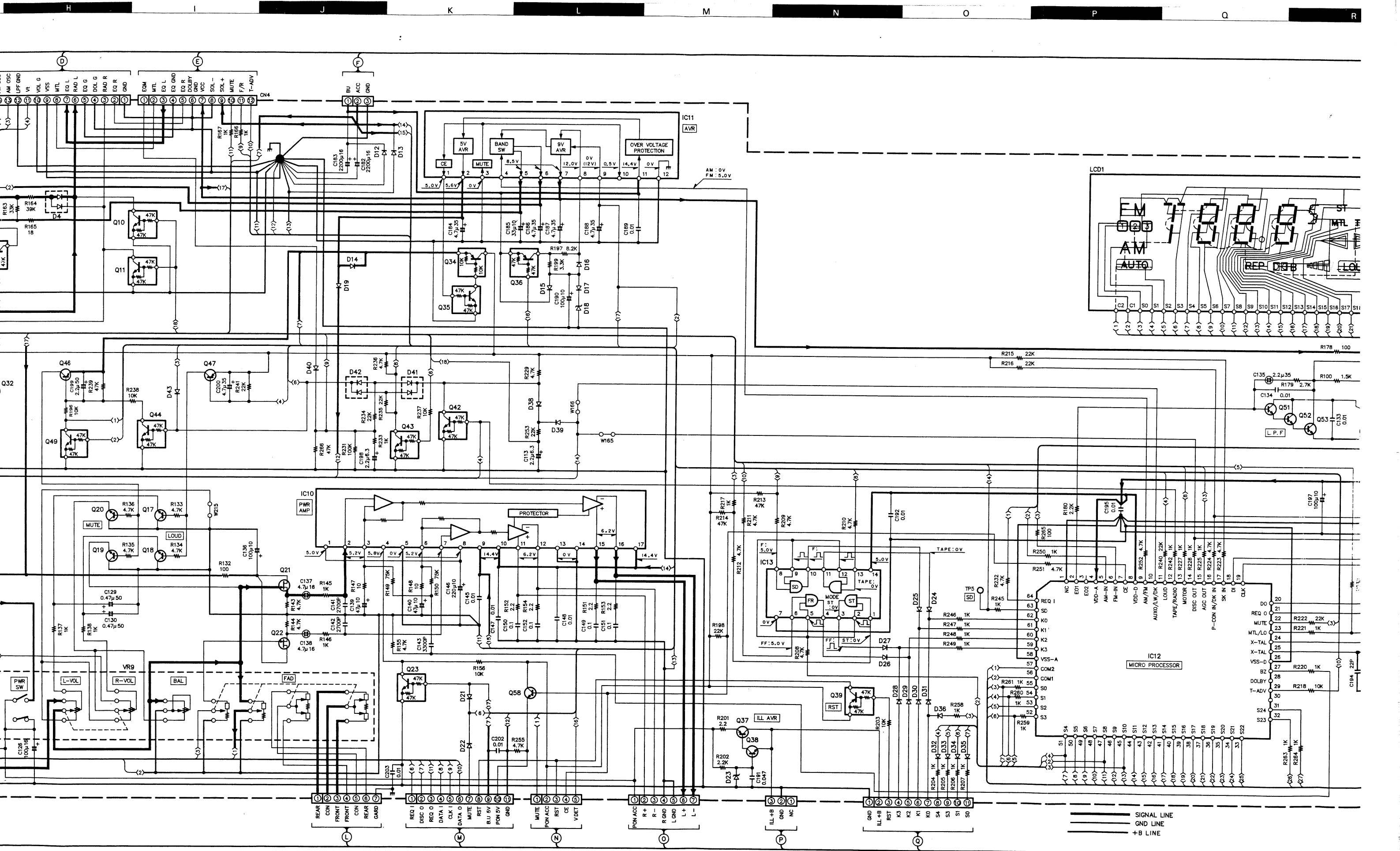
D4 : DAP202K
 D5~8, 14~17, 19, 21, 22, 24~27 : MA110
 38~40, 43, 45, 46 : 1S1555
 D9, 10 : ERA15-01
 D12, 44 : RM10Z
 D13 : MA8068-M
 D18 : SD184-1
 D20 : HZS1182L
 D23 : 1SS176
 D28~36 : DAN202K
 D41, 42 : DAN202K

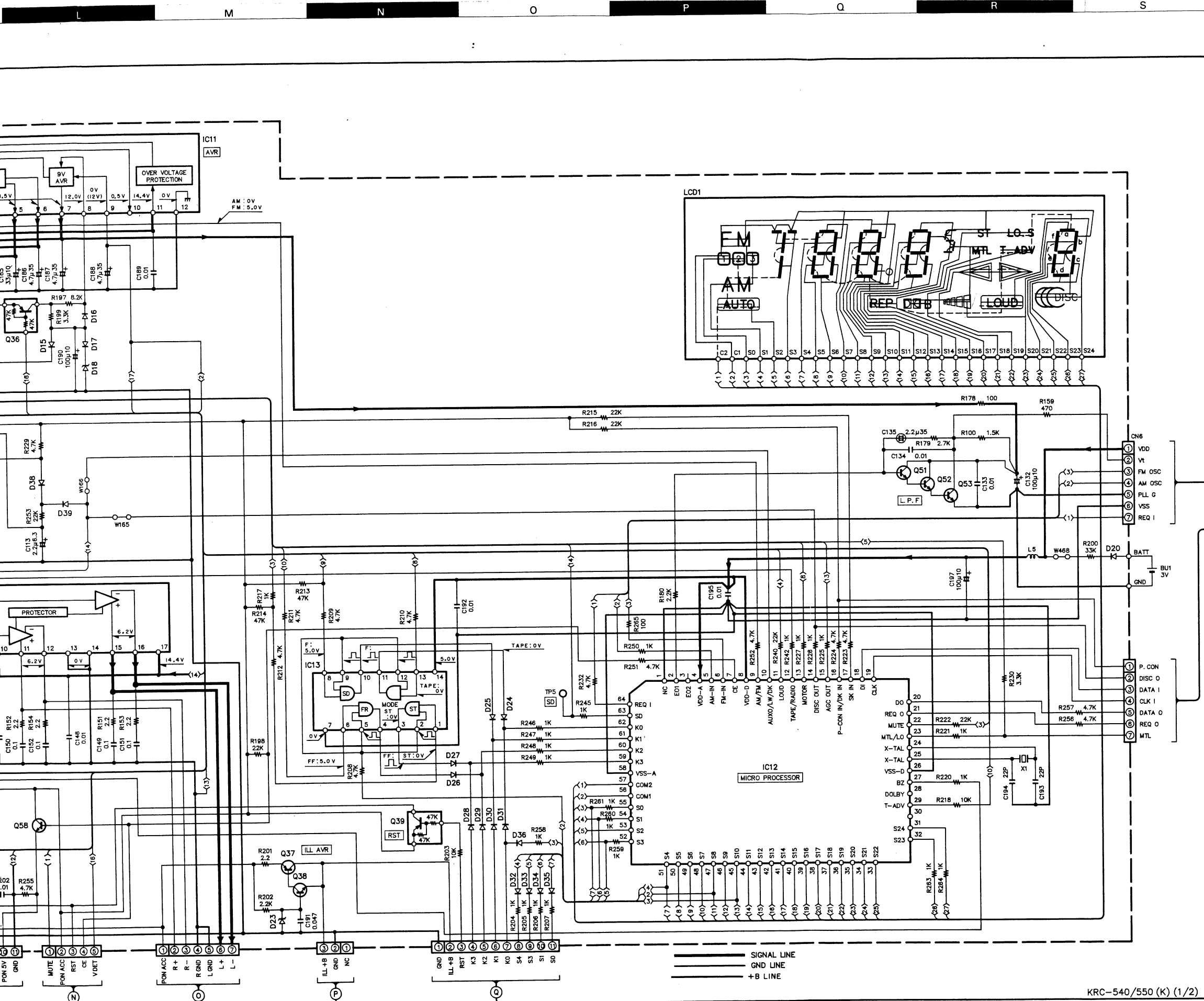
MECHA ASS'Y
 (D40-1023-05)

(X14-3470-11) (C/3)

IC5 : M5280FP
 IC6, 7 : NJM4556MD
 D3 : RD6.2JS (B)







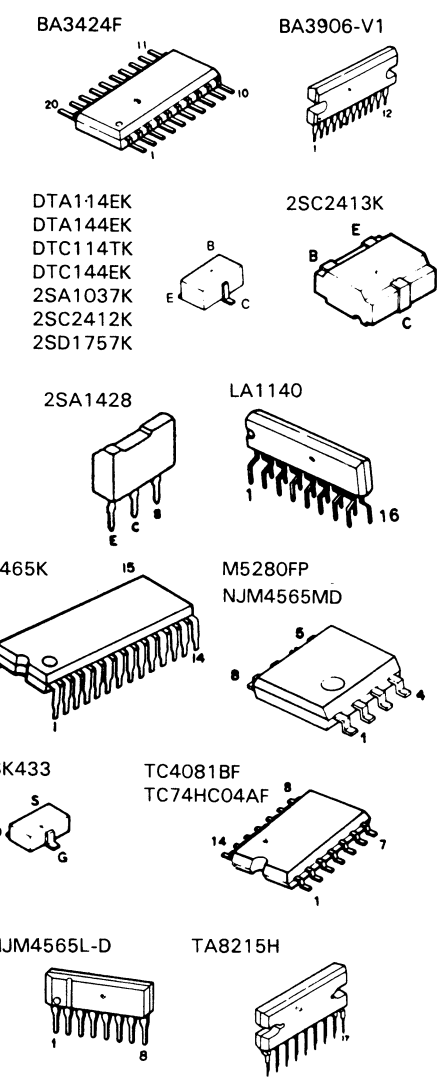
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

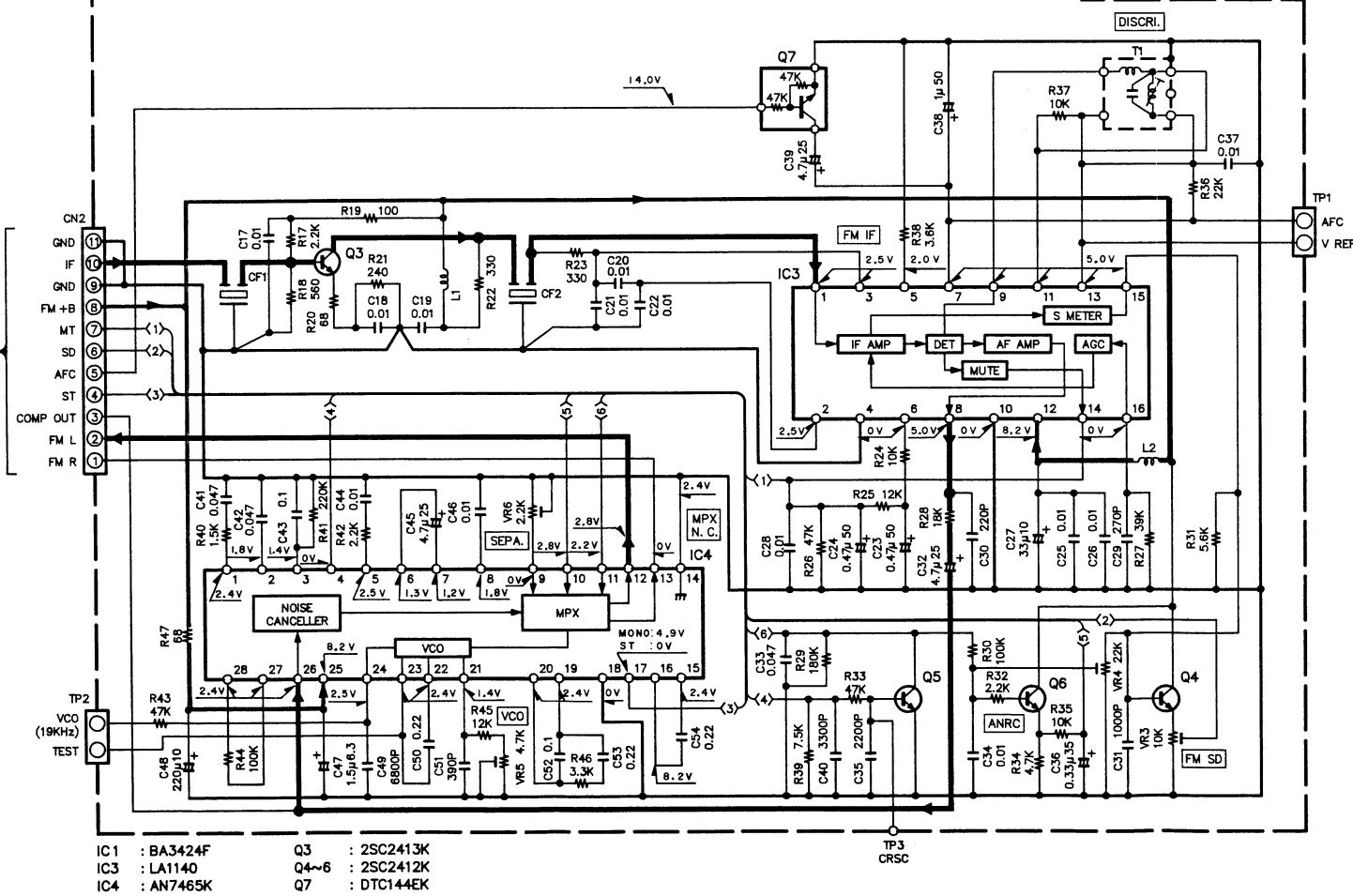
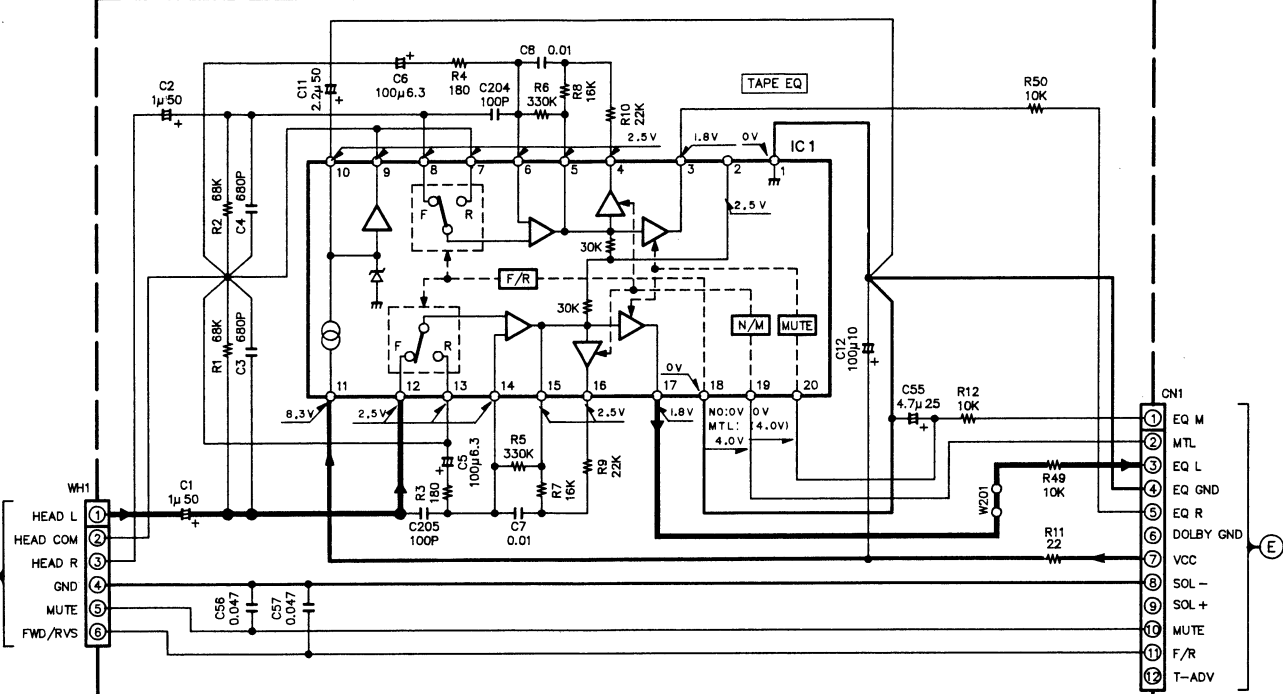
Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

A
B
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Q



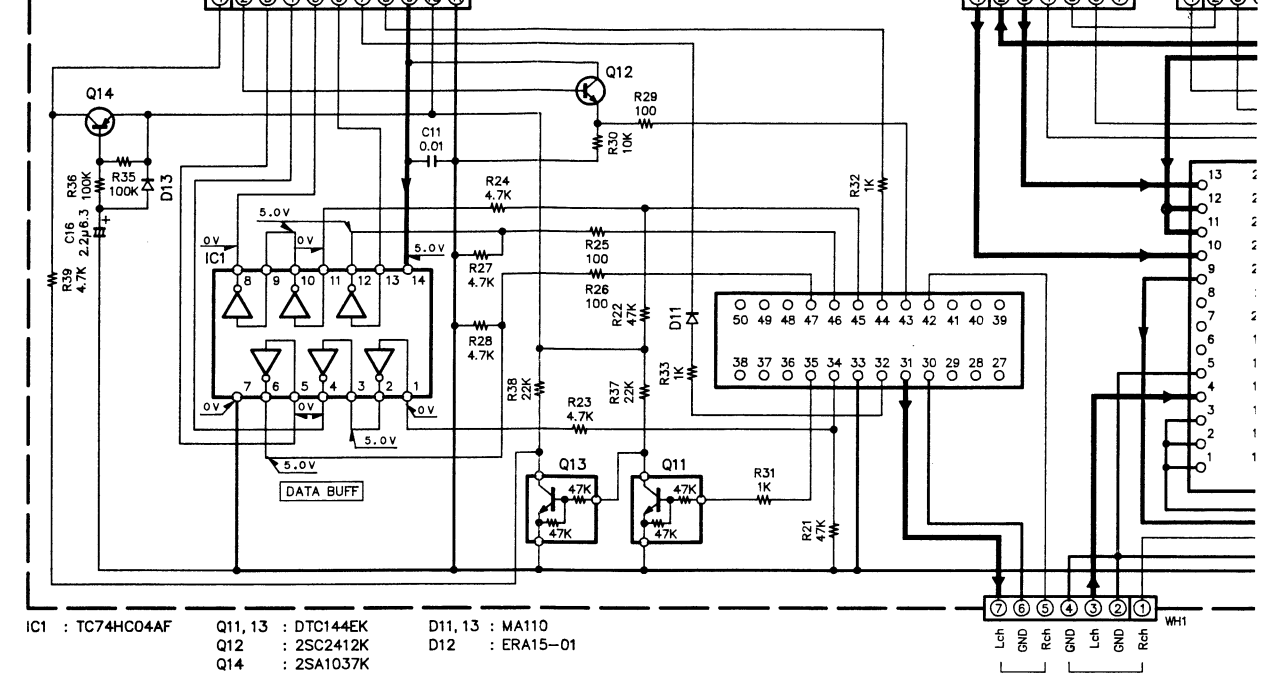
A
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(X14-3470-11) (B/3)



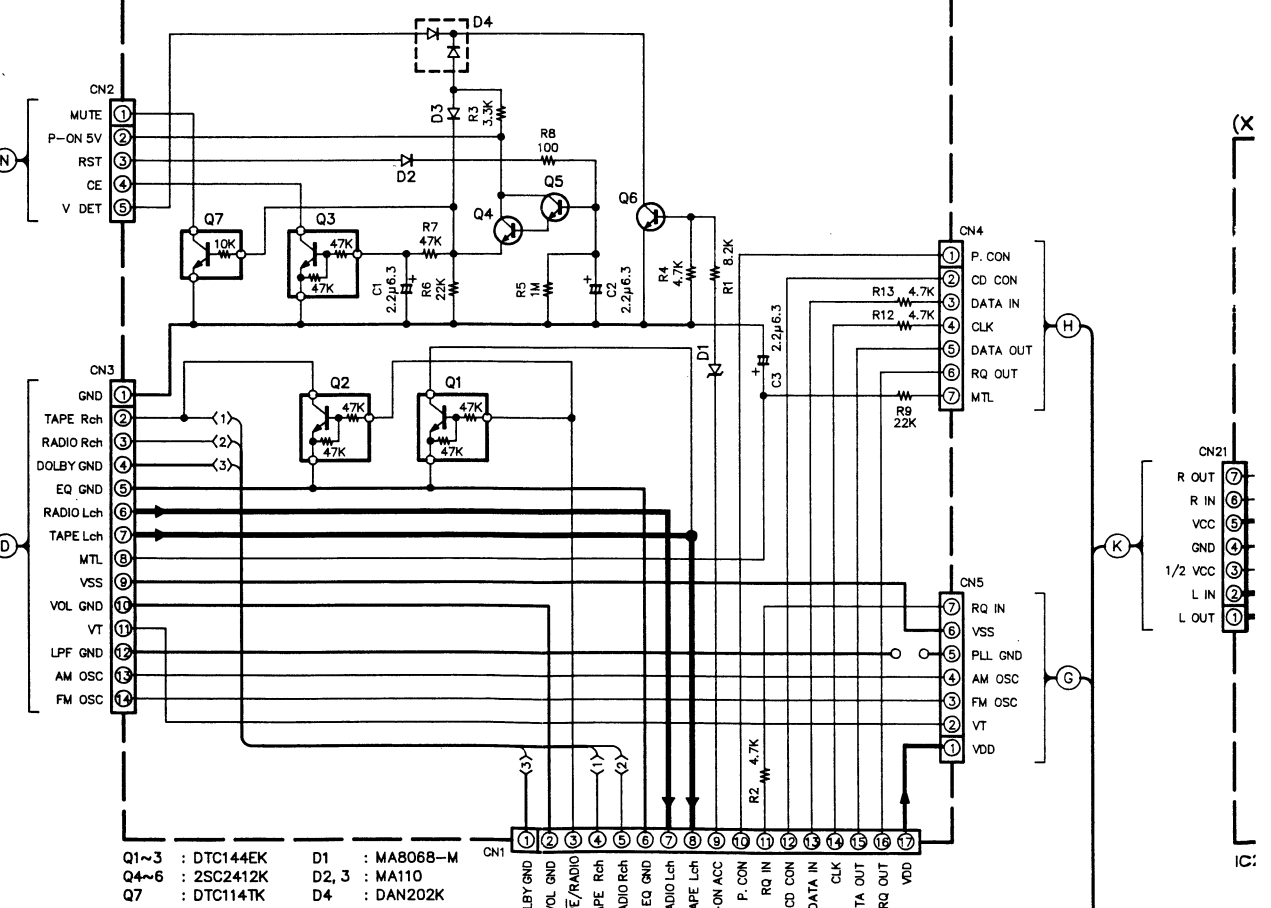
IC1 : BA3424F
IC2 : LA1140
IC3 : AN7465K
Q3 : 2SC2413K
Q4~6 : 2SC2412K
Q7 : DTC144EK

(X89-1280-11) (A/3)

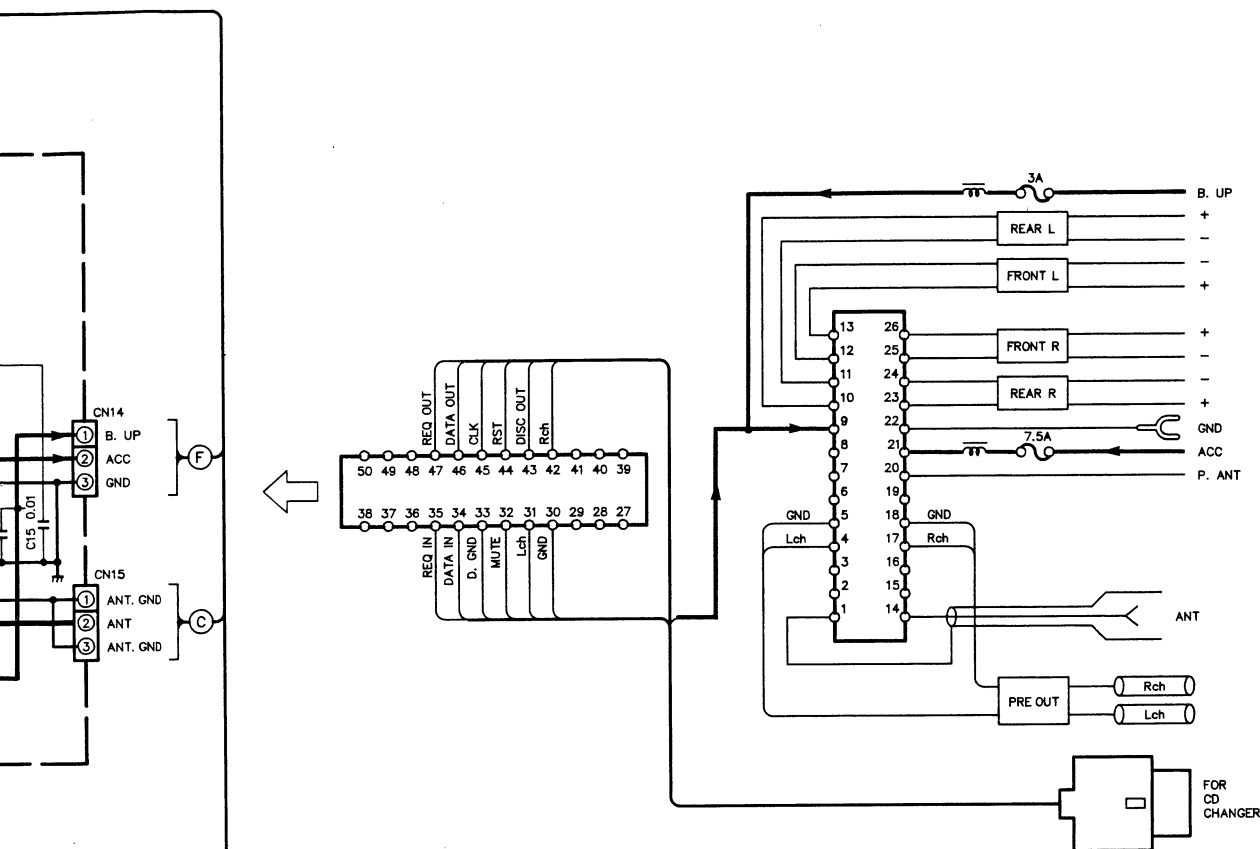


IC1 : TC74HC04AF
Q11, 13 : DTC144EK
Q12 : 2SC2412K
Q14 : 2SA1037K
D11, 13 : MA110
D12 : ERA15-01

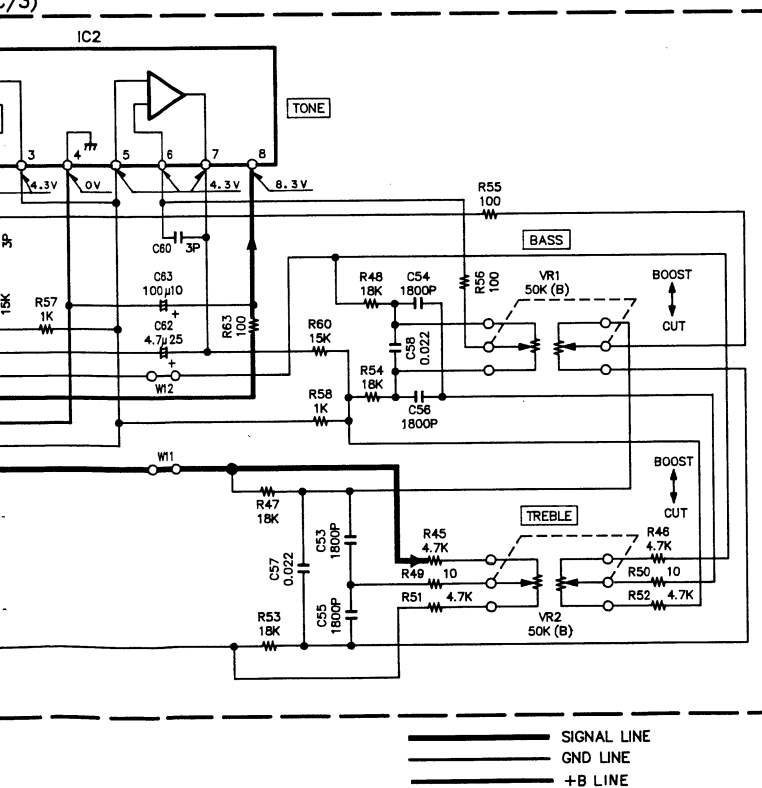
(X89-1280-11) (B/3)



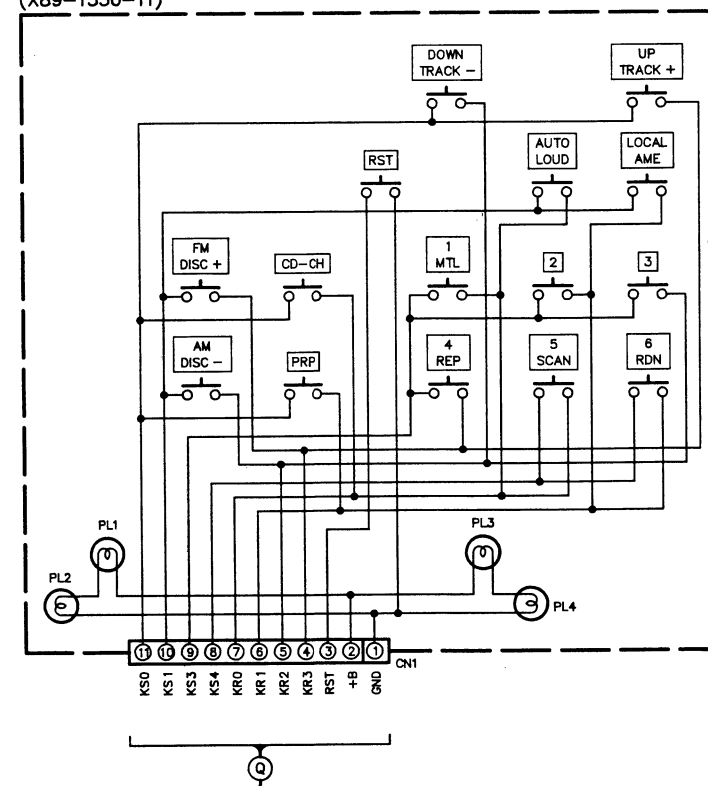
Q1~3 : DTC144EK
Q4~6 : 2SC2412K
Q7 : DTC114TK
D1 : MA8068-M
D2, 3 : MA110
D4 : DAN202K



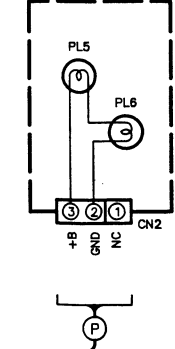
C/3)



(X89-1350-11)



(X25-4502-70)



KRC-540/550 (K) (2/2)

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). **⚠** Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

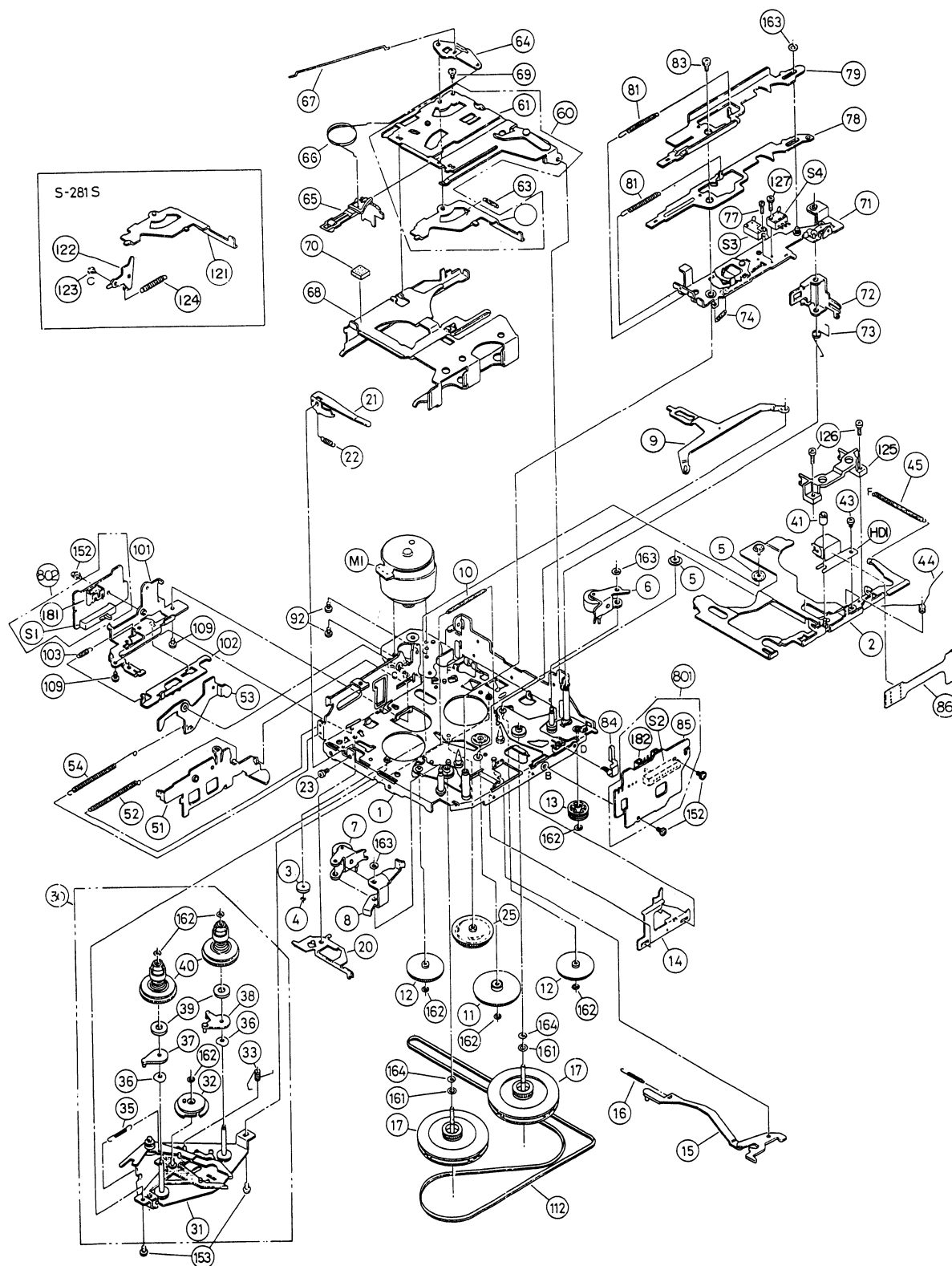
Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

Y36-1450-11

KRC-540/550
KENWOOD

KRC-540/550

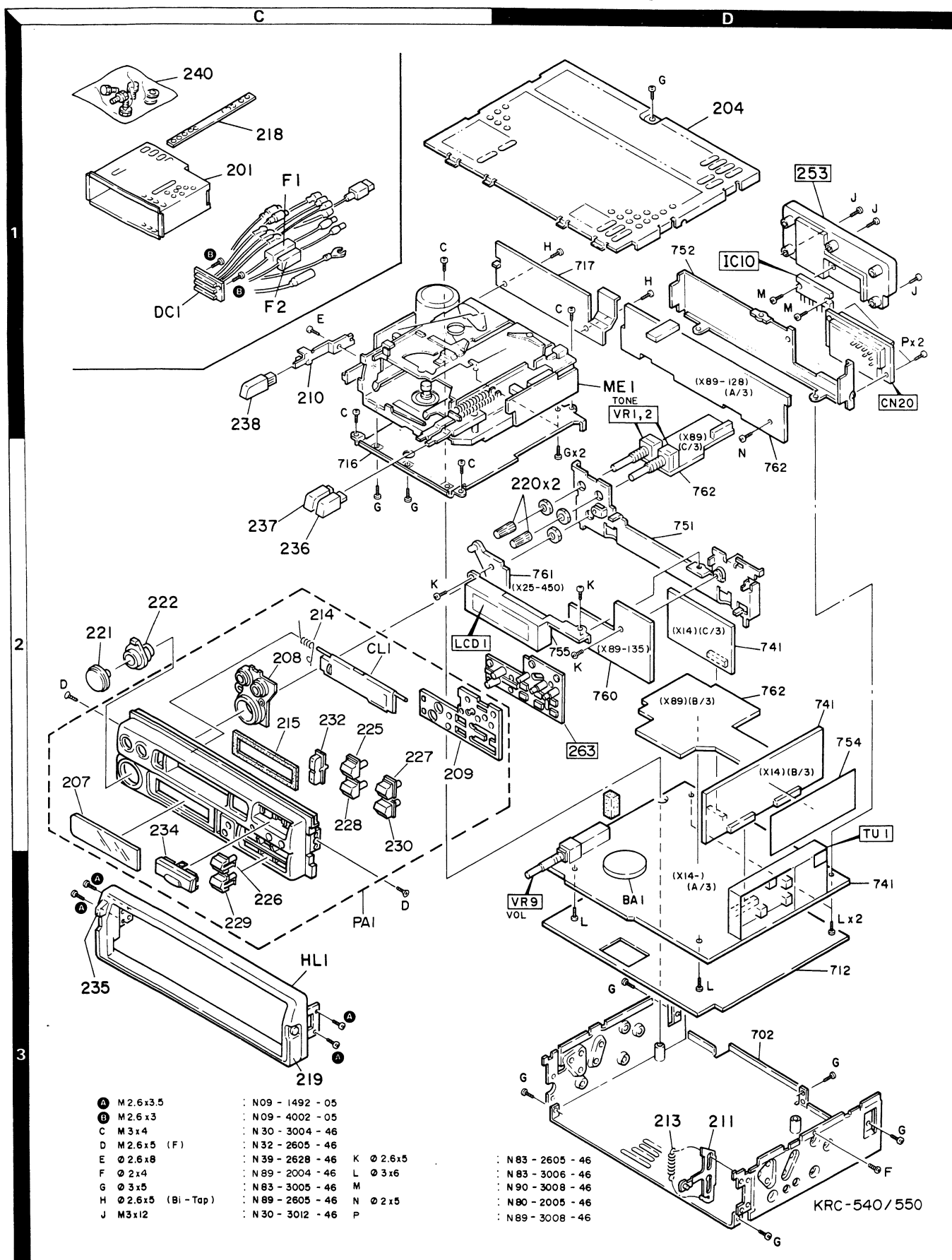
EXPLODED VIEW (MECHANISM)



Parts with the exploded numbers larger than 700 are not supplied.

KRC-540/550

EXPLODED VIEW (UNIT)



PARTS LIST

* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
KRC-540/550						
201	1C	*	A01-2508-41	METALLIC CABINET		
204	1D	*	A52-0625-22	TOP COVER		
CL1	2C	*	A53-1534-03	CASSETTE LID		
PA1	3C	*	A20-7702-02	PANEL ASSY (KRC-540)	540	
PA1	3C	*	A20-7771-02	PANEL ASSY (KRC-550)	550	
207	2C	*	B10-1423-03	FRONT GLASS (KRC-540)	540	
207	2C	*	B10-1467-03	FRONT GLASS (KRC-550)	550	
208	2C	*	B19-0883-02	LIGHTING BOARD		
209	2C	*	B19-0884-02	LIGHTING BOARD		
-			B46-0100-20	WARRANTY CARD		
-			B46-0172-03	QUESTIONNAIRE CARD (KRC-540)	540	
-		*	B58-1213-04	CAUTION CARD (KRC-540)	540	
-		*	B64-0125-00	INSTRUCTION MANUAL (KRC-540)	540	
-		*	B64-0126-00	INSTRUCTION MANUAL (KRC-550)	550	
HL1	3C	*	B07-2014-42	ESCUTCHEON ASSY		
210	1C		D10-2522-14	LEVER		
211	3D		D10-2549-14	LEVER		
ME1	1D		D40-1023-05	CASSETTE MECHANISM ASSY		
DC1	1C		E30-3929-05	CONNECTOR ASSY		
F1	1C		F05-7521-05	FUSE (7.5A) ACC		
F2	1C		F06-3026-05	FUSE (3A) B.U.		
213	3D		G01-2040-04	EXTENSION SPRING		
214	2C		G01-2371-04	TORSION COIL SPRING		
215	2C	*	G11-1510-04	CUSHION		
-		*	H01-9308-04	ITEM CARTON CASE (KRC-540)	540	
-		*	H01-9310-04	ITEM CARTON CASE (KRC-550)	550	
-		*	H03-3365-04	OUTER CARTON CASE (KRC-540)	540	
-		*	H03-3367-04	OUTER CARTON CASE (KRC-550)	550	
-			H10-4322-23	POLYSTYRENE FOAMED FIXTURE		
-			H25-0329-04	PROTECTION BAG (280X450X0.03)		
-			H25-0336-04	PROTECTION BAG (170X250X0.03)		
218	1C		J54-0059-04	STAY		
219	3C		K01-0601-03	HANDLE		
220	2D	*	K23-1011-04	KNØB (BASS, TREBLE)		
221	2C	*	K23-1012-03	KNØB (VOL)		
222	2C	*	K23-1013-03	KNØB (FAD)		
225	2C	*	K24-0907-03	KNØB (1)		
226	3C	*	K24-0908-03	KNØB (2)		
227	2C	*	K24-0909-03	KNØB (3)		
228	2C	*	K24-0910-03	KNØB (4)		
229	3C	*	K24-0911-03	KNØB (5)		
230	2C	*	K24-0912-03	KNØB (6)		
232	2C	*	K25-0591-03	KNØB (FM, AM)		
234	2C	*	K25-0592-03	KNØB (TUNE)		
235	3C	*	K27-3510-04	KNØB (LEVER)		
236	2C	*	K27-3523-04	KNØB (FF)		
237	2C	*	K27-3524-04	KNØB (REW)		
238	1C	*	K27-3525-04	KNØB (EJECT)		
240	1C		N99-0277-05	SCREW SET		

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KRC-540/550

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Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
-			N19-2002-05	CORRUGATED WASHER		
-			N32-2008-45	FLAT HEAD MACHIN SCREW		
A	3C		N09-1492-05	MACHINE SCREW (2.6X3.5, ㄆㄣㄣ)		
B	1C		N09-4002-05	STEPPED SCREW (M2.6X3)		
C	1C, 1D		N30-3004-46	PAN HEAD MACHIN SCREW		
D	2C, 3C		N32-2605-46	FLAT HEAD MACHIN SCREW		
E	1C		N39-2628-46	PAN HEAD MACHIN SCREW		
F	3D		N89-2004-46	BINDING HEAD TAPTITE SCREW		
G	3C, 3D		N83-3005-46	PAN HEAD TAPTITE SCREW		
H	1D		N89-2605-46	BINDING HEAD TAPTITE SCREW		
BA1	3D		W09-0726-05	BATTERY		
SYNTHESIZER UNIT (X14-3470-11)						
LCD1	2C	*	B38-0545-05	LIQUID CRYSTAL		
C1 ,2			CE04NW1H010M	ELECTOR 1.0UF 50WV		
C3 ,4			CK73FB1H681K	CHIP C 680PF K		
C5 ,6			CE04NW0J101M	ELECTRO 100UF 6.3WV		
C7 ,8			CK73FB1H103K	CHIP C 0.010UF K		
C11			CE04NW1H2R2M	ELECTRO 2.2UF 50WV		
C12			CE04NW1A101M	ELECTRO 100UF 10WV		
C17 -22			CK73FB1H103K	CHIP C 0.010UF K		
C23 ,24			CE04NW1HR47M	ELECTRO 0.47UF 50WV		
C25 ,26			CK73FB1H103K	CHIP C 0.010UF K		
C27			CE04NW1A330M	ELECTRO 33UF 10WV		
C28			CK73FB1H103K	CHIP C 0.010UF K		
C29			CK73FB1H271K	CHIP C 270PF K		
C30			CK73FB1H221K	CHIP C 220PF K		
C31			CK73FB1H102K	CHIP C 1000PF K		
C32			CE04NW1E4R7M	ELECTRO 4.7UF 25WV		
C33			CK73EB1H473K	CHIP C 0.047UF K		
C34			CK73FB1H103K	CHIP C 0.010UF K		
C35			CK73FB1H222K	CHIP C 2200PF K		
C36			C92-0502-05	ELECTRO 0.33UF 35WV		
C37			CK73FB1H103K	CHIP C 0.010UF K		
C38			CE04NW1H010M	ELECTOR 1.0UF 50WV		
C39			CE04NW1E4R7M	ELECTRO 4.7UF 25WV		
C40			CK73FB1H332K	CHIP C 3300PF K		
C41 ,42			CK73FB1E473KTA	CHIP C 0.047UF K		
C43			CK73EB1E104K	CHIP C 0.10UF K		
C44			CK73FB1H103K	CHIP C 0.010UF K		
C45			CE04NW1E4R7M	ELECTRO 4.7UF 25WV		
C46			CK73FB1H103K	CHIP C 0.010UF K		
C47			C92-0501-05	CHIP-TAN 1.5UF 6.3WV		
C48			CE04DW1A221M	ELECTRO 220UF 10WV		
C49			CK73FB1H682K	CHIP C 6800PF K		
C50			C93-0025-05	CERAMIC 0.22UF K		
C51			CQ92P2A391J	MYLAR 390PF J		
C52			CK73EB1E104K	CHIP C 0.10UF K		
C53 ,54			C93-0025-05	CERAMIC 0.22UF K		
C55			CE04NW1E4R7M	ELECTRO 4.7UF 25WV		
C56			CK73EB1H473K	CHIP C 0.047UF K		
C57			CK73FB1E473KTA	CHIP C 0.047UF K		
C61 ,62			C90-2554-05	ELECTRO 10UF 16WV		
C63			C90-2546-05	ELECTRO 220UF 6.3WV		

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C64 ,65 C66 -70 C71 ,72 C73 ,74 C75			C90-2550-05 C90-2554-05 C90-2557-05 C90-2536-05 C90-2550-05	ELECTRØ 100UF 10WV ELECTRØ 10UF 16WV ELECTRØ 2.2UF 50WV ELECTRØ 10UF 16WV ELECTRØ 100UF 10WV		
C76 ,77 C101,102 C103,104 C107,108 C111		*	CK73FB1H561K CK73FB1H223KTA CK73FB1H182K C90-2599-05 CE04CW1A101M	CHIP C 560PF K CHIP C 0.022UF K CHIP C 1800PF K ELECTRØ 4.7UF 25WV ELECTRØ 100UF 10WV		
C113 C126 C129,130 C131 C132		*	C92-0005-05 CE04DW1C101M C90-2606-05 C92-0005-05 CE04CW1A101M	ELECTRØ 2.2UF 6.3WV ELECTRØ 100UF 16WV ELECTRØ 0.47UF 50WV ELECTRØ 2.2UF 6.3WV ELECTRØ 100UF 10WV		
C133,134 C135 C136 C137,138 C139,140			CK73FB1H103K C90-2525-05 CE04CW1A101M C90-2524-05 CE04CW1A470M	CHIP C 0.010UF K NP-ELECT 2.2UF 35WV ELECTRØ 100UF 10WV NP-ELECT 4.7UF 16WV ELECTRØ 47UF 10WV		
C141,142 C143 C145 C146 C147,148			CK73FB1H272K CK73FB1H332K CK73EB1H103K CE04DW1A221M CK73FB1H103K	CHIP C 2700PF K CHIP C 3300PF K CHIP C 0.01UF K ELECTRØ 220UF 10WV CHIP C 0.010UF K		
C149-152 C154 C155 C156 C157			CK73EB1E104K CE04DW1A102M CK73FB1E473KTA CK73EB1E683K CE04CW1A330M	CHIP C 0.10UF K ELECTRØ 1000UF 10WV CHIP C 0.047UF K CHIP C 0.068UF K ELECTRØ 33UF 10WV		
C158 C160 C162 C182,183 C184			CK73FB1H103K CK73FB1H103K CK73EB1E104K C90-2537-05 CE04CW1V4R7M	CHIP C 0.010UF K CHIP C 0.010UF K CHIP C 0.10UF K ELECTRØ 2200UF 16WV ELECTRØ 4.7UF 35WV		
C185 C186-188 C189 C190 C191			CE04CW1A330M CE04CW1V4R7M CK73FB1H103K CE04CW1A101M CK73EB1H473K	ELECTRØ 33UF 10WV ELECTRØ 4.7UF 35WV CHIP C 0.010UF K ELECTRØ 100UF 10WV CHIP C 0.047UF K		
C192 C193,194 C195 C197 C198			CK73FB1H103K CC73FCH1H220J CK73FB1H103K C90-2579-05 C92-0005-05	CHIP C 0.010UF K CHIP C 22PF J CHIP C 0.010UF K ELECTRØ 100UF 10WV ELECTRØ 2.2UF 6.3WV		
C199 C200 C202 C203 C204,205			CE04NW1H2R2M CE04CW1V4R7M CK73EB1H103K CK73FB1H103K CC73FCH1H101J	ELECTRØ 2.2UF 50WV ELECTRØ 4.7UF 35WV CHIP C 0.01UF K CHIP C 0.010UF K CHIP C 100PF J		
253	1D	*	F01-1383-03	HEAT SINK		
LH1			J19-4316-05	HOLDER		
CF1 ,2			L72-0523-05	CERAMIC FILTER		

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L1 ,2 L3 ,4 L5 T1 X1			L40-1011-17 L40-4791-17 L40-1011-17 L30-0462-15 L77-1163-05	SMALL FIXED INDUCTOR SMALL FIXED INDUCTOR(4.7UH,K) SMALL FIXED INDUCTOR FM IFT CRYSTAL RESONATOR		
J K L M P	1D 2C, 2D 3D 1D 1D		N30-3012-46 N83-2605-46 N83-3006-46 N90-3008-46 N89-3008-46	PAN HEAD MACHIN SCREW PAN HEAD TAPTITE SCREW PAN HEAD TAPTITE SCREW TP HEAD MACHINE SCREW BINDING HEAD TAPTITE SCREW		
R1 ,2 R3 ,4 R5 ,6 R7 ,8 R9 ,10			RK73FB2A683J RK73EB2B181J RK73FB2A334J RK73FB2A163J RK73FB2A223J	CHIP R 68K J 1/10W CHIP R 180 J 1/8W CHIP R 330K J 1/10W CHIP R 16K J 1/10W CHIP R 22K J 1/10W		
R11 R12 R17 R18 R19			RK73FB2A220J RK73FB2A103J RK73FB2A222J RK73FB2A561J RK73EB2B101J	CHIP R 22 J 1/10W CHIP R 10K J 1/10W CHIP R 2.2K J 1/10W CHIP R 560 J 1/10W CHIP R 100 J 1/8W		
R20 R21 R22 ,23 R24 R25			RK73FB2A680J RK73FB2A241J RK73FB2A331J RK73FB2A103J RK73FB2A123J	CHIP R 68 J 1/10W CHIP R 240 J 1/10W CHIP R 330 J 1/10W CHIP R 10K J 1/10W CHIP R 12K J 1/10W		
R26 R27 R28 R29 R30			RK73FB2A473J RK73FB2A393J RK73FB2A183J RK73FB2A184J RK73FB2A104J	CHIP R 47K J 1/10W CHIP R 39K J 1/10W CHIP R 18K J 1/10W CHIP R 180K J 1/10W CHIP R 100K J 1/10W		
R31 R32 R33 R34 R35			RK73FB2A562J RK73FB2A222J RK73FB2A473J RK73FB2A472J RK73FB2A103J	CHIP R 5.6K J 1/10W CHIP R 2.2K J 1/10W CHIP R 47K J 1/10W CHIP R 4.7K J 1/10W CHIP R 10K J 1/10W		
R36 R37 R38 R39 R40			RK73FB2A223J RK73FB2A103J RK73FB2A362J RK73FB2A752J RK73FB2A152J	CHIP R 22K J 1/10W CHIP R 10K J 1/10W CHIP R 3.6K J 1/10W CHIP R 7.5K J 1/10W CHIP R 1.5K J 1/10W		
R41 R42 R43 R44 R45			RK73FB2A224J RK73FB2A222J RK73FB2A473J RK73FB2A104J RK73FB2A123J	CHIP R 220K J 1/10W CHIP R 2.2K J 1/10W CHIP R 47K J 1/10W CHIP R 100K J 1/10W CHIP R 12K J 1/10W		
R46 R47 R49 ,50 R61 ,62 R63 ,64			RK73FB2A332J RK73FB2A680J RK73EB2B103J RK73FB2A912J RK73FB2A473J	CHIP R 3.3K J 1/10W CHIP R 68 J 1/10W CHIP R 10K J 1/8W CHIP R 9.1K J 1/10W CHIP R 47K J 1/10W		
R65 ,66 R67 R68 R69 ,70 R71			RK73FB2A512J RK73EB2B432J RK73FB2A432J RK73FB2A183J RK73FB2A101J	CHIP R 5.1K J 1/10W CHIP R 4.3K J 1/8W CHIP R 4.3K J 1/10W CHIP R 18K J 1/10W CHIP R 100 J 1/10W		

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R73			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R74			RK73FB2A203J	CHIP R 20K J 1/10W		
R75 ,76			RK73FB2A103J	CHIP R 10K J 1/10W		
R77			RK73FB2A203J	CHIP R 20K J 1/10W		
R78			RK73FB2A221J	CHIP R 220 J 1/10W		
R79 ,80			RK73FB2A473J	CHIP R 47K J 1/10W		
R81 ,82			RK73FB2A122J	CHIP R 1.2K J 1/10W		
R83 ,84			RK73FB2A752J	CHIP R 7.5K J 1/10W		
R85 ,86			RK73FB2A101J	CHIP R 100 J 1/10W		
R87 ,88			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R100			RK73FB2A152J	CHIP R 1.5K J 1/10W		
R101,102			RK73FB2A393J	CHIP R 39K J 1/10W		
R103			RK73EB2B222J	CHIP R 2.2K J 1/8W		
R104			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R107			RK73EB2B223J	CHIP R 22K J 1/8W		
R132			RK73FB2A101J	CHIP R 100 J 1/10W		
R133-136			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R137,138			RK73EB2B102J	CHIP R 1.0K J 1/8W		
R141			R92-0365-05	CHIP R 1K J 1/2W		
R142			RK73FB2A103J	CHIP R 10K J 1/10W		
R143,144			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R145,146			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R147,148			RK73EB2B100J	CHIP R 10 J 1/8W		
R149,150			RK73EB2B753J	CHIP R 75K J 1/8W		
R151-154			RK73EB2B2R2J	CHIP R 2.2 J 1/8W		
R155			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R156			RK73FB2A103J	CHIP R 10K J 1/10W		
R157			RK73EB2B180J	CHIP R 18 J 1/8W		
R158			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R159			RK73FB2A471J	CHIP R 470 J 1/10W		
R160			RK73FB2A473J	CHIP R 47K J 1/10W		
R161			RK73EB2B102J	CHIP R 1.0K J 1/8W		
R162			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R163			RK73FB2A333J	CHIP R 33K J 1/10W		
R164			RK73FB2A393J	CHIP R 39K J 1/10W		
R165			RK73EB2B180J	CHIP R 18 J 1/8W		
R166,167			RK73EB2B102J	CHIP R 1.0K J 1/8W		
R168			RK73FB2A223J	CHIP R 22K J 1/10W		
R169			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R171,172			RK73FB2A103J	CHIP R 10K J 1/10W		
R175-177			RK73FB2A473J	CHIP R 47K J 1/10W		
R178			RK73FB2A101J	CHIP R 100 J 1/10W		
R179			RK73FB2A272J	CHIP R 2.7K J 1/10W		
R180			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R196			RK73FB2A103J	CHIP R 10K J 1/10W		
R197			RK73FB2A822J	CHIP R 8.2K J 1/10W		
R198			RK73FB2A223J	CHIP R 22K J 1/10W		
R199			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R201			R92-2021-05	CHIP R 2.2 J 1/2W		
R202			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R203			RK73FB2A103J	CHIP R 10K J 1/10W		
R204-207			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R208-212			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R213,214			RK73FB2A473J	CHIP R 47K J 1/10W		
R215,216			RK73FB2A223J	CHIP R 22K J 1/10W		

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R217			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R218			RK73FB2A103J	CHIP R 10K J 1/10W		
R220, 221			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R222			RK73FB2A223J	CHIP R 22K J 1/10W		
R223, 224			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R225			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R226			RK73EB2B102J	CHIP R 1.0K J 1/8W		
R227			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R229			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R230			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R231			RK73FB2A104J	CHIP R 100K J 1/10W		
R232			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R233			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R234, 235			RK73FB2A223J	CHIP R 22K J 1/10W		
R236			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R237, 238			RK73FB2A103J	CHIP R 10K J 1/10W		
R239			RK73FB2A473J	CHIP R 47K J 1/10W		
R240, 241			RK73FB2A223J	CHIP R 22K J 1/10W		
R242			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R245-250			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R251, 252			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R253			RK73FB2A223J	CHIP R 22K J 1/10W		
R254			RK73FB2A220J	CHIP R 22 J 1/10W		
R255-257			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R258-261			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R262			RK73FB2A473J	CHIP R 47K J 1/10W		
R263, 264			RK73EB2B102J	CHIP R 1.0K J 1/8W		
R265			RK73FB2A101J	CHIP R 100 J 1/10W		
R266			RK73EB2B473J	CHIP R 47K J 1/8W		
VR3			R12-3127-05	TRIMMING POT.(10Kタテ)		
VR4			R12-3129-05	TRIMMING POT.(22Kタテ)		
VR5			R12-1090-05	TRIMMING POT.(4.7Kタテ)		
VR6			R12-1086-05	TRIMMING POT.(2.2Kタテ)		
VR7			R12-3685-05	TRIMMING POT.(10K フセ)		
VR9	3D		R24-3646-05	POTENTIOMETER(80X1, 20KX3)		
W1 -47			R92-2053-05	CHIP R 0 J 1/8W		
W49 -65			R92-2053-05	CHIP R 0 J 1/8W		
W68 ,69			R92-2053-05	CHIP R 0 J 1/8W		
W81 -92			R92-2052-05	CHIP R 0 J 1/10W		
W94 -100			R92-2052-05	CHIP R 0 J 1/10W		
W103-107			R92-2052-05	CHIP R 0 J 1/10W		
W108			R92-2053-05	CHIP R 0 J 1/8W		
W109, 110			R92-2052-05	CHIP R 0 J 1/10W		
W112-114			R92-2052-05	CHIP R 0 J 1/10W		
W116			R92-2052-05	CHIP R 0 J 1/10W		
W120			R92-2052-05	CHIP R 0 J 1/10W		
W201			R92-2052-05	CHIP R 0 J 1/10W		
W204, 205			R92-2052-05	CHIP R 0 J 1/10W		
W207, 208			R92-2053-05	CHIP R 0 J 1/8W		
W215			R92-2052-05	CHIP R 0 J 1/10W		
D3			RD6.2JS(B2)	ZENER DIODE		
D4			DAP202K	DIODE		
D5 -8			MA110	DIODE		
D5 -8			1SS355	DIODE		
D9 ,10			1S1555	DIODE		

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D12			ERA15-01	DIODE		
D13			RM10Z	DIODE		
D14 -17			MA110	DIODE		
D14 -17			1SS355	DIODE		
D18			MA8068-M	ZENER DIODE		
D19			MA110	DIODE		
D19			1SS355	DIODE		
D20			SD184-1	DIODE		
D21 ,22			MA110	DIODE		
D21 ,22			1SS355	DIODE		
D23			HZS11B2L	ZENER DIODE		
D24 -27			MA110	DIODE		
D24 -27			1SS355	DIODE		
D28 -36			1SS176	DIODE		
D38 -40			MA110	DIODE		
D38 -40			1SS355	DIODE		
D41 ,42			DAN202K	DIODE		
D43			MA110	DIODE		
D43			1SS355	DIODE		
D44			ERA15-01	DIODE		
D45 ,46			MA110	DIODE		
D45 ,46			1SS355	DIODE		
IC1			BA3424F	IC		
IC3			LA1140	IC(FM IF/DETECTION)		
IC4			AN7465K	IC		
IC5			M5280FP	IC		
IC6 ,7			NJM4565MD	IC(OP AMP X2)		
IC10	1D		TA8215H	IC		
IC11			BA3906-V1	IC		
IC12		*	1723GF-594-3BE	IC		
IC13			TC4081BF	IC(AND X4)		
Q3			2SC2413K	TRANSISTOR		
Q4 -6			2SC2412K	TRANSISTOR		
Q7			DTC144EK	DIGITAL TRANSISTOR		
Q10 -14			DTC144EK	DIGITAL TRANSISTOR		
Q17 -20			2SD1757K	TRANSISTOR		
Q21 ,22			2SK433	FET		
Q23 ,24			DTC144EK	DIGITAL TRANSISTOR		
Q27			DTA144EK	DIGITAL TRANSISTOR		
Q29			DTC144EK	DIGITAL TRANSISTOR		
Q30 -32			2SC2412K	TRANSISTOR		
Q34			DTA114EK	DIGITAL TRANSISTOR		
Q35			DTC144EK	DIGITAL TRANSISTOR		
Q36			DTA144EK	DIGITAL TRANSISTOR		
Q37			2SB1370	TRANSISTOR		
Q38			2SC2412K	TRANSISTOR		
Q39			DTA144EK	DIGITAL TRANSISTOR		
Q42 -44			DTC144EK	DIGITAL TRANSISTOR		
Q46 ,47			2SA1037K	TRANSISTOR		
Q49			DTC144EK	DIGITAL TRANSISTOR		
Q51 -54			2SC2412K	TRANSISTOR		
Q55			DTA144EK	DIGITAL TRANSISTOR		
Q56			DTC114EK	DIGITAL TRANSISTOR		
Q57			2SA1428(O,Y)	TRANSISTOR		
Q58			2SC2412K	TRANSISTOR		

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TU1	2D		W02-1281-05	TUNER ASSY		
SUB-CIRCUIT UNIT (X25-4502-70)						
PL5			B30-1346-05	LAMP (5.5V.125A AMB)		
PL6			B30-1350-05	LAMP (5.5V,125MA)		
DAUGHTER UNIT (X89-1280-11)						
C1 -3			C92-0005-05	ELECTRØ 2.2UF 6.3WV		
C11 ,12			CK73EB1H103K	CHIP C 0.01UF K		
C13 -15			CK73FB1H103K	CHIP C 0.010UF K		
C16			C92-0005-05	ELECTRØ 2.2UF 6.3WV		
C53 -56			CK73FB1H182K	CHIP C 1800PF K		
C57 ,58			CK73FB1H223KTA	CHIP C 0.022UF K		
C59 ,60			CC73FCH1H030C	CHIP C 3PF C		
C61 ,62			CE04DW1E4R7M	ELECTRØ 4.7UF 25WV		
C63			CE04DW1A101M	ELECTRØ 100UF 10WV		
CN20	1D		E08-4001-05	RECTANGULAR RECEPTACLE		
N	2D		N80-2005-46	PAN HEAD TAPTITE SCREW		
R1			RK73FB2A822J	CHIP R 8.2K J 1/10W		
R2			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R3			RK73EB2B332J	CHIP R 3.3K J 1/8W		
R4			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R5			RK73FB2A105J	CHIP R 1.0M J 1/10W		
R6			RK73FB2A223J	CHIP R 22K J 1/10W		
R7			RK73FB2A473J	CHIP R 47K J 1/10W		
R8			RK73EB2B101J	CHIP R 100 J 1/8W		
R9			RK73FB2A223J	CHIP R 22K J 1/10W		
R12 ,13			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R21			RK73FB2A473J	CHIP R 47K J 1/10W		
R22			RK73EB2B473J	CHIP R 47K J 1/8W		
R23			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R24			RK73EB2B472J	CHIP R 4.7K J 1/8W		
R25 ,26			RK73FB2A101J	CHIP R 100 J 1/10W		
R27 ,28			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R29			RK73FB2A101J	CHIP R 100 J 1/10W		
R30			RK73EB2B103J	CHIP R 10K J 1/8W		
R31 -33			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R34			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R35 ,36			RK73FB2A104J	CHIP R 100K J 1/10W		
R37 ,38			RK73FB2A223J	CHIP R 22K J 1/10W		
R45			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R46			RK73EB2B472J	CHIP R 4.7K J 1/8W		
R47 ,48			RK73EB2B183J	CHIP R 18K J 1/8W		
R49 ,50			RK73EB2B100J	CHIP R 10 J 1/8W		
R51			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R52			RK73EB2B472J	CHIP R 4.7K J 1/8W		
R53 ,54			RK73EB2B183J	CHIP R 18K J 1/8W		
R55 ,56			RK73EB2B101J	CHIP R 100 J 1/8W		
R57			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R58			RK73EB2B102J	CHIP R 1.0K J 1/8W		
R59 ,60			RK73FB2A153J	CHIP R 15K J 1/10W		
R61 ,62			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R63			RK73FB2A101J	CHIP R 100 J 1/10W		
VR1 ,2	1D		R10-4031-15	POTENTIOMETER		

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W1 W3 ,4 W5 ,6 W7 ,8 W11 ,12			R92-2052-05 R92-2052-05 R92-2053-05 R92-2052-05 R92-2052-05	CHIP R 0 J 1/10W CHIP R 0 J 1/10W CHIP R 0 J 1/8W CHIP R 0 J 1/10W CHIP R 0 J 1/10W		
W17 W21 W22 -31			R92-2053-05 R92-2052-05 R92-2053-05	CHIP R 0 J 1/8W CHIP R 0 J 1/10W CHIP R 0 J 1/8W		
D1 D2 ,3 D2 ,3 D4 D11			MA8068-M MA110 1SS355 DAN202K MA110	ZENER DIODE DIODE DIODE DIODE DIODE		
D11 D12 D13 D13 IC1			1SS355 ERA15-01 MA110 1SS355 TC74HC04AF	DIODE DIODE DIODE DIODE IC(INVERTER)		
IC2 Q1 -3 Q4 -6 Q7 Q11			NJM4565L-D DTC144EK 2SC2412K DTC114TK DTC144EK	IC(OP AMP X2) DIGITAL TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR		
Q12 Q13 Q14			2SC2412K DTC144EK 2SA1037K	TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR		
DAUGHTER UNIT (X89-1350-11)						
PL1 -4			B30-1305-05	LAMP (5.5V .125A)		
263	2D	*	E29-1358-03	CONDUCTIVE RUBBER		
CASSETTE MECHANISM ASSY (D40-1023-05)						
1 2 3 4 5	2A 2B 3A 3A 2B		A10-2089-08 J21-7207-08 D14-0616-08 N24-3012-41 D14-0617-08	CHASSIS CALKED ASSY MOUNTING HARDWARE ROLLER A E TYPE RETAINING RING ROLLER B		
6 7 8 9 10	2B 2A 3A 2B 2A		D14-0618-08 D14-0619-08 D10-2666-08 D10-2667-08 G01-2560-08	PINCH ROLLER F PINCH ROLLER R LEVER (FR CAM) LEVER (PROGRAM) TENSION SPRING		
11 12 13 14 15	3A 3A, 3B 2B 3B 3B		D13-1079-08 D13-1081-08 D15-0908-08 D10-2668-08 D10-2679-08	GEAR (IDLE) GEAR (TAKE UP) PULLEY LEVER LEVER		
16 17 20 21 22	3B 3A, 3B 3A 2A 2A		G01-2557-08 D01-0603-08 D10-2669-08 D10-2670-08 G01-2218-08	TENSION SPRING FLYWHEEL LEVER LEVER (LOCK) TENSION SPRING		
23 25 30	2A 3B 3A		N84-2004-45 D13-1078-08 A11-0848-08	SCREW (M2X4) GEAR SUB CHASSIS ASSY		

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31	3A		A11-0847-08	SUB CHASSIS ASSY		
32	3A		D13-1077-08	GEAR (SWITCHING)		
33	3A		G01-2563-08	TORSION SPRING		
35	3A	*	G01-2579-18	TENSION SPRING		
36	3A		G02-0473-08	FLAT SPRING		
37	3A	*	D10-2645-18	LEVER		
38	3A	*	D10-2671-18	LEVER		
39	3A		G10-1012-08	FELT		
40	3A		D03-0305-08	REEL DISK		
41	2B		N14-0701-08	NUT		
43	2B		N30-2004-46	SCREW (M2X4)		
44	2B		G01-2573-08	TORSION SPRING		
45	2B		G01-2571-08	TENSION SPRING		
51	2A		D10-2672-08	LEVER (EJECT)		
52	2A		G01-2216-08	TENSION SPRING		
53	2A		D10-2673-08	ACTION ARM		
54	2A		G01-2217-08	TENSION SPRING		
60	1B		J19-4387-08	HOLDER		
61	1B		J19-4380-08	HOLDER		
63	1B		G01-2212-08	TENSION SPRING		
64	1B		D10-2130-08	LEVER (INV)		
65	1A		J90-0610-08	CASSETTE GUIDE		
66	1A		G01-2225-08	TORSION SPRING		
67	1A		G09-0093-08	SPRING		
68	1A		J19-2990-08	HOLDER		
69	1B		N39-2004-08	SCREW (M2X4)		
70	1A	*	G11-1065-08	CUSHION		
71	1B		J21-7264-08	MOUNTING HARDWARE		
72	1B		D10-2674-08	LEVER (RELEASE)		
73	1B		G01-2574-08	TORSION SPRING		
74	1B		G01-2556-08	TENSION SPRING		
77	1B		N39-1706-45	SCREW (M1.7X6)		
78	1B		D10-2675-08	LEVER (REW)		
79	1B		D10-2676-08	LEVER (FF)		
81	1B		G01-2572-08	TENSION SPRING		
83	1B		N09-4039-08	SCREW		
84	2B		D10-2677-08	LEVER (SW)		
85	2B		J74-0040-08	PRINTED WIRING BOARD		
86	2B		J84-0009-08	PRINTED WIRING BOARD (FPC)		
92	2A		N39-2002-46	SCREW (M2X2)		
101	2A		J21-7205-08	MOUNTING HARDWARE		
102	2A		D10-2664-08	LEVER		
103	2A		G01-2567-08	TENSION SPRING		
109	2A		N30-2003-08	SCREW (M2X3)		
112	3B		D16-0605-08	BELT		
121	1A		D10-2658-08	ARM		
122	1A		D10-2678-08	LEVER		
123	1A		J12-0647-08	PIN		
124	1A		G01-2562-08	TORSION SPRING		
125	2B		J90-0722-08	CASSETTE GUIDE		
126	2B		N09-4009-08	SCREW (M2X5)		
127	1B		N35-2006-46	SCREW (M2.6X6)		
152	2A, 2B		N90-2003-46	SCREW (M2X3)		
153	3A		N30-2603-46	SCREW (M2.6X3)		

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× 新規部品

(注) 部品番号がないものは修理用部品として扱いません。

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161	3A, 3B		N19-1144-08	FLAT WASHER		
162	2B, 3A		N19-1134-08	FLAT WASHER		
163	2A, 2B		N19-1135-08	FLAT WASHER		
164	3A, 3B		N19-1137-08	FLAT WASHER		
181	2A		E40-9127-05	PIN CONNECTOR		
182	2B		J19-4389-08	HOLDER		
HD1	2B		T31-0205-08	PLAYBACK HEAD		
M1	2A		T42-0716-08	DC MOTOR ASSY		
S1	2A		S31-3633-08	SLIDE SWITCH		
S2	2B		S31-3634-08	SLIDE SWITCH		
S3	1B		S46-1606-08	LEAF SWITCH		
S4	1B		S46-1607-08	LEAF SWITCH		

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SPECIFICATIONS

Specifications subject to change without notice.

FM Tuner Section

Frequency Range (200kHz space).....87.9MHz - 107.9MHz
(50kHz space).....87.5MHz - 108.0MHz
Usable Sensitivity.....12.0dBf (1.1 μ V/75ohms)
50dB Quieting Sensitivity.....15.2dBf (1.6 μ V/75ohms)
Frequency Response ($\pm$ 3dB).....30Hz - 15kHz
Signal to Noise Ratio.....73dB
Selectivity.....100dB
Capture Ratio.....1.5dB
Image Response Ratio.....70dB
IF Response Ratio.....120dB
Stereo Separation (1kHz).....40dB

AM Tuner Section

Frequency Range (10kHz space).....530kHz - 1700kHz
(9kHz space).....531kHz - 1611kHz
Usable Sensitivity.....28dB (30 μ V)

Cassette Deck Section

Tape Speed.....4.76cm/sec.
Wow & Flutter (WRMS).....0.12% (WRMS)
Fast Winding Time (C-60).....100sec.
Frequency Response (120 μ s).....30Hz - 14kHz ($\pm$ 3dB)
(70 μ s).....30Hz - 16kHz ($\pm$ 3dB)
Stereo Separation (1kHz).....43dB
Signal to Noise Ratio (Dolby NR OFF).....54dB

Audio Section

Maximum Output Power.....25W $\times$ 2
Output Power (10% THD, 1kHz, 4ohms).....20W $\times$ 2
(1% THD, 30Hz - 20kHz, 4ohms).....15W $\times$ 2
Tone Action.....Bass : 100Hz $\pm$ 10dB
Treble : 10kHz $\pm$ 10dB
Preout level/load.....800mV (MAX.) / 10kohms

General

Operating Voltage.....14.4V (11 - 16V allowable)
Current Consumption.....6A at Rated Power
Installation Size (W $\times$ H $\times$ D).....182 $\times$ 52 $\times$ 159mm
(7-3/16 $\times$ 2-1/16 $\times$ 6-1/4 in.)
Weight.....2.0kg (4.4lb)

KENWOOD follows a policy of continuous advancements in development.
For this reason specifications may be changed without notice.
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Noise reduction circuit made under license from Dolby Laboratories Licensing Corporation.

KENWOOD poursuit une politique de progrès constants en ce qui concerne le développement.
Pour cette raison, les spécifications sont sujettes à modifications sans préavis.
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Note :

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on, the U.S.A. (K) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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